

THE STATE
IN ITS
RELATION TO TRADE

BY
T. H. FARRER

WITH SUPPLEMENTARY CHAPTER BY
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P R E F A C E

WHEN first asked to write on the Relations of the State to Trade, I saw with pleasure that Mr. Stanley Jevons was to write on the Relations of the State to Labour, and hoped that we might consult with one another on the line to be taken and on the distinction to be made between these two kindred subjects. For some time circumstances prevented me from writing, and when I was able to do so, his treatise had appeared, and he, alas ! was prematurely lost to us. In the following pages I have tried to avoid the ground which he has occupied; but find the tendency of my own opinions on one point slightly diverging from his. It is not difficult to account for this. He knew much more of local government and of local wants than I do; I perhaps have seen more of the difficulties and weakness of central government than he had, the general impression left on my mind is therefore rather more adverse to central state interference than his was. In thus referring to

Mr Jevons I can only add to the many public expressions of regret for his loss my own tribute of sincere admiration for one to whom we owed so much and from whom we expected so much more; one who as a statistician had the rare faculty of using figures with intelligence and discrimination, one who as an economist treated society not as a machine, subject to dead mechanical rules, but as a living, growing, changing organism, one, above all, who in whatever he did was a sincere lover of truth and of his fellow-men.

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THE
STATE IN ITS RELATION
TO TRADE

SUPPLEMENTARY CHAPTER

IN writing a chapter which is to serve in part as supplement, and in part as preface, to a new edition of Lord Farrer's book on "The State in its Relation to Trade," I desire first to call attention to the practical character of the book itself. It is not the book of the mere student, though it is the result of much study. To a large extent it is a statement of the principles and reflections employed by Lord Farrer for his own guidance in the department of government—the Board of Trade—with which he was connected for thirty years or more; for a short time as one of the assistant secretaries, and afterwards as permanent secretary, having all the threads of the business in his hands. In other words, as the permanent head of the chief department of the government having to do with trade matters, Lord Farrer has given the public in this volume a statement of the necessities and occasions which force or induce the government to deal with trade, the reasons which

2 THE STATE IN ITS RELATION TO TRADE

determine its action and the objects to be accomplished ; the limitations and restrictions of its activity ; and the effects of its interference, as far as they can be ascertained. In doing so he has for the most part been giving an account of departmental experience ; of business which he has himself handled, and where his judgment and experience, in his own time, largely guided the government. Even in matters not within his own department, it may be added, he was constantly resorted to by the government for information and advice. There is little in this book, accordingly, where he had not personal experience, the exceptions being mainly the business of departments like the Post Office, the Customs, or the Inland Revenue, where the government administers a business and does not merely supervise public or private traders, or control their action.

The reader will understand better, perhaps, how much of Lord Farrer's personal experience in official life is in the book if I mention some of the more important subjects dealt with in it and show the growth of the government's connection with them under his direction. One of these subjects is maritime law and merchant shipping, which was his own special province at the Board of Trade as assistant secretary, before he became permanent secretary, and which he always took a personal interest in. His experience went back to 1849, and included the repeal of the Navigation Laws, one of the great free-trade measures about the middle of last century. Next it fell to his hand to assist in the legislation for emigrant ships and for sea-going passenger ships generally in 1855, as well as other merchant shipping legislation ; while in later life what is known as the Plimsoll legislation, to protect life and property

at sea, occupied much of his time. Other topics, such as inquiries into wrecks, pilotage, the rule of the road at sea, the levying and administration of light dues, marine insurance, and so on, all came before him, so that the growth of the marine branch of the Board of Trade, and the development of almost the entire code of shipping legislation as it now stands, belonged almost entirely to his time.

Another branch of business which occupied him greatly as permanent secretary was the arrangement of government action regarding the great railway monopoly. Though not a member of the Joint Committee (*see p. 141*) which reported in 1872 and laid down the main lines for regulating the monopoly, such as the compulsion upon railway companies to give through rates and fares from any station of one system to any station of other systems, Lord Farrer was practically the adviser of the Committee behind the scenes, and if he did not write the report he had no small share in its preparation and final revision. As permanent secretary, of course he directed the daily action of the Board of Trade in exercising the control over the railways. Later on, tramway legislation, by a natural connection, became part of the business of the department, though the Light Railway belongs to a somewhat later date, and had not come into existence when the present book was written.

Another large branch of business with which the Board of Trade in Lord Farrer's time was occupied was that of copyright, patents, and trade marks, the Patent Office being placed under the Board of Trade about 1876. These subjects, in fact, interested him greatly. Why there should be copyright and patents which are

to some extent of a monopoly character ; what were the public advantages to be promoted ; and how the public should be protected against some of the incidents of monopoly—were topics which seemed to have a peculiar fascination for him. He offended authors and inventors, no doubt. Some of these gentlemen held ideas as to the sacred nature of their rights, which were almost unintelligible to his legal mind, while his want of sympathy with the purely literary genius was a hindrance to his success in dealing with these subjects. But of the extent of his influence on legislation, beneficent or otherwise, there can be no question. In a different field, that of international regulation of copyright, patents, and trade marks, his services were very great indeed, the complexities and difficulties of the subject being in their nature overwhelming, with which only a strong mind, equal to any quantity of work, could grapple.

To pass to quite a different subject, one of the topics with which he was last concerned at the Board of Trade was that of bankruptcy, one of the first dealt with in the present book. The legislation outlined in the book was, in fact, carried out in 1883 shortly after the book was written, under Mr. Chamberlain's auspices in Parliament. The Bankruptcy Act of 1883 with its system of administration seems to have become permanent, although for nearly a century before bankruptcy legislation was changed every few years, and there were endless complaints.

These were all important subjects occupying a great deal of time and attention ; but there were many others, important enough in themselves, with which Lord Farrer was officially connected. Legislation, for instance, as to

the gas monopoly and administration of certain matters of government control over it, the electric lighting monopoly; weights and measures, negotiation of Commercial Treaties, the defence of free-trade policy; and many other questions were part of the daily routine of the Board of Trade. In some Lord Farrer took a very special interest indeed, of which his well-known book on Free Trade and Fair Trade is one of the proofs. The Board of Trade did not cease growing when he left it, and large branches were afterwards added to it, including a Labour Department and the administration of an act for conciliating labour disputes; a Light Railway Department, a Fishery Department, a Commercial Intelligence Department, and other subjects which it is difficult to remember. But the business is still substantially what Lord Farrer left it, and its subsequent growth was largely due to the impulse which he gave, one new branch after another being easily added because the general principles of action in like matters had been laid down.

The exceptional value of the present book for the student and for public men is thus apparent. The whole field of legislation and administration in matters of trade is brought under review, and the relation of one subject to another exhibited. The discussion of the few matters with which Lord Farrer was not departmentally concerned, such as mining and factory legislation, the currency, post-office administration and the like, show the impress of his mind and his familiarity with the subjects themselves, due in part to the frequency with which he was taken into consultation by the heads of the Treasury and other departments of the Government. One of the topics in the

book, currency, though not a Board of Trade matter, occupied Lord Farrer a great deal for some years after he left official life, and in his official career he had often been taken into council respecting it.

Following the arrangement of the book, I propose next to notice the more important statements which, either from the lapse of time or changes in legislation since the book was written, require correction or supplement.

Magnitude of English Trade.—The statements in Chapter I. as to the magnitude of English Trade appear to require some observation of this kind. The internal trade of the country, it will be observed, is spoken of as if it were the internal trade of the United Kingdom alone, which would hardly now be thought a correct procedure since the notion of the British Empire as a Unity has become popularised. Language to indicate that when we speak of the internal trade of the United Kingdom we are only speaking of a part of the internal trade of the country or empire to which British subjects belong, would now be expected of any writer, even if he thought with Lord Farrer (*see pp. 205-6*) that the responsibilities of the United Kingdom have been unwisely increased by territorial expansion. Of course, if the internal trade of the whole British Empire is to be referred to, the remarks in Chapter I. as to the importance of this trade are greatly strengthened.

The prefatory remark on our share of international trade that we, that is, the people of the United Kingdom, are the greatest of traders with other nations, is as true as it was when Lord Farrer wrote, and his

specific statements in support are really under the mark. He puts the exports and imports of the United Kingdom at nearly one-fourth of the foreign trade of the world, but the proportion must be higher. Imports and exports, as usually spoken of in our statistical returns, may be placed at nearly £850,000,000 annually, but to this amount should be added the transhipment trade amounting to £20,000,000 more, and the imports and exports of gold and silver exceeding annually very often the sum of £100,000,000, so that, all told, the foreign trade of the United Kingdom is hardly less than £1,000,000,000 annually, which is certainly quite a fourth of the imports and exports of the different countries of the world added together. The observation must be made, however, that if the British Empire is to be considered as a unit, the effect of doing so will be to diminish the aggregate of the world's international trade as usually reckoned. What is now reckoned international, in consequence of the different portions of the British Empire being taken as separate states or countries, would become internal, and so the aggregate of external trade would be less. The British share of this aggregate would however be more even than a fourth, as the British Empire is the principal dealer with the other nations of the world both as buyer and seller.

Lord Farrer's statement in the same connection (p. 30) that we are the greatest capitalists and the largest lenders to foreign nations still remains true, and his specific assertion that our investments abroad are not much less than £2,000,000,000 is probably under the mark. A year ago, in reply to a question, the Chancellor of the Exchequer stated in the House of

Commons that the income from our foreign investments actually known to pay income tax was £90,000,000, which would represent a much larger capital than £2,000,000,000, while it does not include a considerable income earned in partnership business, and which pays income tax in some other way than as foreign income. The statement, however, would require some qualification when the colonies are reckoned as one with the United Kingdom, so that our investments in the colonies would not be reckoned as "foreign." The investments of the people of the United Kingdom beyond the seas would now be the more correct expression. It would also be fair to recognise that if investments in the colonies are no longer to be regarded as foreign investments by the people of the United Kingdom, then other countries such as Germany, France, Belgium and Holland are equally with England large investors abroad. As the British Empire is foreign to them, and they invest largely in our colonies, e.g. in South African gold mines, their "foreign" investments may bulk largely indeed in comparison even with our own when the latter are strictly considered and colonial investments are omitted. There is no doubt also that of late years foreign countries have been largely increasing their investments abroad, and England is not so exclusively the world's capitalist that it was.

Lord Farrer's next remark (p. 30), that we are the greatest of brokers, also remains true, I believe; nor has the proportion of the whole business diminished of late years, although in certain directions our *depot* or *entrepot* business has diminished, owing to the facilities for direct shipment to the Continent from distant places which

have been increased by the opening of the Suez Canal, and the enormous growth of steam shipping. These changes have hardly affected the position of London as the banking centre and clearing house of the world, although a certain part of our *entrepot* business has been checked.

Lord Farrer's statements (pp 30 and 31) as to the importance of our shipping—that it is equal to more than one-half of the shipping of the whole world—that the value of our ships is £100,000,000; that the value of our cargoes afloat at one time is much larger, and that we carry £1,000,000,000 in the course of a year; and that our ocean trade is two-thirds or more of the ocean trade of the whole world—also remain true at the present time, or are even further under the mark than they were. Since Lord Farrer wrote, the shipping of the United Kingdom and the British Empire have both increased enormously, while some of our rivals, such as France and the United States, have remained all but stationary as far as the ocean-going shipping of the world is concerned. The value of our ships at a moderate calculation, allowing for the great improvements in shipbuilding which have lowered the price along with the increase in tonnage, must now far exceed £100,000,000. The gross income and net profits yielded can hardly, however, have increased in proportion. In the last twenty years, moreover, one important competitor for the carrying trade of the world, Germany, has come to the front. Although the shipping of Germany, one and a half million tons, is still not more than a sixth or a seventh of that of the British Empire, the rapid and sustained increase of German shipping, connected as it is with the rapid growth of German

trade, already affects in some degree the feeling with which the relative international position must be regarded, as compared with what existed when Lord Farrer wrote his book. The threat of American competition, which has just been so seriously manifested in the shape of a North Atlantic "combine" absorbing in an American ring large numbers of our best steamers, and which is also shown in proposals before Congress to subsidise American vessels, is even far more serious than any action of Germany.

A Ministry of Commerce.—The next Chapters—II., III., IV., V. and VI.—appear to call for little remark. They describe generally the attitude of the state in relation mainly to contracts of different kinds, and the functions of the state as lawgiver and administrator in relation to such contracts. Under these heads the substantial action of the state can hardly undergo much change in ordinary times, much of the utility of law in such matters depending on the absence of change. I would notice, however, (p. 36) Lord Farrer's wish that the department of government performing the functions of a Ministry of Commerce may still be called the Board of Trade. Occasional calls for a Ministry of Commerce have been heard since he wrote, and have continued futile, as indeed they are likely to be, if regard is had to things and not to names. It will have been gathered from the enumeration already made how extensive the functions of the Board of Trade really are. The idea seems to be in some quarters that a Ministry of Commerce ought to take an active part in fostering our trade abroad; helping our merchants to obtain contracts and concessions from half civilised foreign governments,

such as Turkey and China, as other foreign governments help their merchants ; obtaining samples and information for merchants and manufacturers both ; and so on. Lately at the Board of Trade a Commercial Intelligence Department has been added, partly to give effect to this idea which appears to go beyond anything which Lord Farrer thought within the scope of a government's functions in relation to trade. Whether government can really help private traders and the public in matters of trade beyond collecting and publishing the best information may well be doubted. The innovation, it is certain, would not have been approved by Lord Farrer.

Joint-Stock Companies —Lord Farrer's observations on limited liability (Chapter VI.) would also require to be supplemented a little at the present time, in consequence of the great extension of joint stock enterprise since he wrote. The principles and object of such legislation remain the same, but joint stock companies are much more to the nation than they were. He quotes from a parliamentary return of 1877 as showing the capital of companies registered under the Joint Stock Companies Acts to exceed £300,000,000 (p. 57) exclusive of parliamentary companies, such as railways and companies under charters. At the present time the capital of similar joint stock companies is many times the figures stated. In the last few years the nominal share capital of companies registered *annually* has ranged from one hundred to over three hundred millions sterling, while the paid up capital of all registered companies "believed to be carrying on business at the latest date" (1900) is no less than £1,622,000,000, having increased threefold in the last

fifteen years. Lord Farrer regards the development of joint stock enterprise as an illustration of the mischief that may have been done in former times by an impolitic restriction ; but although the extreme restrictions of former times may have been unwise, it is doubtful whether joint stock company law has yet reached the final form in which at the same time the necessary freedom is given, and adequate safeguards for the public are retained.

Bankruptcy —With regard to Bankruptcy (pp 59-63) I have already noticed incidentally the share of Lord Farrer in the construction of the Bankruptcy Act of 1883, which carries out the principles here laid down as to the object of bankruptcy legislation. The paragraph on p. 62 describing what has been proposed in recent attempts at bankruptcy legislation may be accepted as a description of the Bankruptcy Act of 1883 itself. If any point is omitted, I think, it is the full liberty given to creditors to administer the estates of insolvent debtors if they wish, assisted by the official agency when they like, but their liberty being in no way curtailed. It is the sincerity with which this provision has been carried out that has largely secured the success of the Act, which possesses a final character, neither leaning to officialism on one side, nor on the other side to the anarchy which existed in former times when there was no official agency. An Act was passed in 1887 confirming and extending the liberty of creditors by giving power to enter into "Deeds of arrangement," but excepting a slight modification in 1890 of a clause permitting arrangements in the Act of 1883 no farther change has been made. A Companies Winding-

up Act was passed in 1890 assimilating the procedure in winding-up insolvent joint stock companies to the ordinary procedure in bankruptcy and placing the corresponding official agency with the Board of Trade. The amount of liabilities dealt with under these various acts amounted in 1900 to about £15,000,000, viz., ordinary bankruptcy £6,500,000; deeds of arrangement £4,250,000; deeds of assignment £2,500,000, and orders for winding-up companies £1,500,000. The amount is not a large percentage of the annual turnover of the gigantic business of the country, or of its accumulated wealth, but indicates nevertheless a disease of some magnitude justifying the action of the state.

Weights and Measures and Currency.—The long Chapter VII. on weights and measures, coinage, currency, and paper money, appears substantially to require no change to adapt it to the present time. There has been no small controversy about currency since the book was written, and particularly about bimetallism, to which a few pages are devoted; and in this controversy Lord Farrer had a considerable share. He was one of the members of the Gold and Silver Commission which sat in 1887 to extinguish bimetallism, and of the Departmental Committee on Indian Currency which sat in 1892 and sanctioned the stoppage of the silver coinage in India with a view to establishing the present system of gold rupee money at the rate of 1s 4d per rupee. He gave evidence likewise before Sir Henry Fowler's Committee in 1899 which confirmed the latter system. But the points raised in these controversies hardly touched the elementary principles laid down in this book for the guidance of the state.

On one point I may be allowed to say that Lord Farrer's later teaching and practice were hardly in accordance with the doctrine of this book. He lays it down (p. 76) that the sole function of the government in the matter of the gold standard "is to ascertain the quality and weight of the gold, and to give it a stamp denoting that quality and weight." In dealing with the money of India, however, it appears to some of us, Lord Farrer gave his sanction to government action going far beyond this account of their functions in relation to standard money. The coinage of the former standard money of India (silver) was absolutely stopped for some years, in order to raise its value artificially, before the transition to a gold standard was made, while in the new arrangements there have been practically restrictions upon the issue of silver coins, now called token coins, but which still remain the principal coins in use in India, differing in spirit from, even if technically the same as, the regulations for issuing token coins in England. It would be wrong, however, to introduce a controversial element in a supplementary chapter, and the point is merely noticed in passing as it is impossible to overlook altogether the controversies which have been carried on since the book was written, and Lord Farrer's share in them. It ought to be added that Lord Farrer very properly was first and foremost a servant of the state, concerned to have the government carried on, and would not have seriously regarded a charge of theoretical inconsistency when practical measures to remedy serious evils, such as were believed to exist in Indian currency, were in question.

One or two minor changes which have occurred since Lord Farrer wrote, in connection with the subjects of

this chapter, are not without interest. To the list of "standard" weights and measures (p. 69) there have since been added electric standards, and a "Board of Trade unit" has been established as the unit of electricity which electric companies sell to their customers. By a recent Act also a step towards introducing metric standards which Lord Farrer disapproves (p. 70), viz. the legalising of such standards in contracts, if people desire it, has actually been taken, and metric standards have accordingly been added to the legal list. The reference to the actual price of silver (p. 73) has now become archaic. The price when he wrote was 52*d.* per oz., which he notices very properly as showing a wide difference from the mint price of 66*d.* per oz. at which silver token coins are issued. The great fall of silver has, however, taken place since he wrote, and at the present time of writing (April 1902) silver is less than half what it was then, being just under 24*d.* per oz. This discrepancy between the actual and coining price far exceeds anything contemplated by the founders of our present coinage system (*see* Lord Liverpool's Treatise on the Coins of the Realm), and business men and students have still grave doubts whether the token coinage is quite safe from forgery with so great a discrepancy.

Patents and Copyright—The next two chapters (VIII. and IX.) are quite general, and do not require to be supplemented by the record of any "happenings" since Lord Farrer wrote. Neither patent nor copyright law gives satisfaction, and amendments are still called for. In patent law especially there appears to be a defect in the international arrangements, as far as this country is concerned, in respect of the protection given to

foreign patentees, as they may work their patents abroad and send the products freely to this country while not working them in this country at all. This system, it is maintained, operates as an absolute burden on home industry, and is especially grievous when the patent is one which home inventors could themselves have brought out with advantage to home capital and labour if they had not been anticipated by a foreigner to whom we give protection without effectively insisting on the home development and working of his invention.

The Regulation of Monopolies—The next chapter (X.) brings us to the business which was to a large extent the main occupation of Lord Farrer's official career, viz., the regulation of total or partial monopolies—such as railways, gas and water monopolies, docks and the like. The exposition of the nature and principles of state action, the differences between English and foreign practice, and the tendency then developing towards a larger degree of state interference or even to direct government action is still a complete exposition to all intents and purposes. The tendency to an increase of state interference or of direct government action has since become more marked, municipalities especially having taken more largely to the management of their own water, gas, electric light, tramways, and the like, and having extended their sphere of action in some cases to the construction of houses.

With regard to the tendency of *docks* to change from private to public management it may be interesting to note that not only has the tendency developed farther since Lord Farrer wrote, but the oldest established private docks of all, those of London, are now the

subject of an inquiry by a Royal Commission, appointed in consequence of dissatisfaction with the existing state of things.

With regard to lighthouses I hardly think Lord Farrer's account of the principles of their management would now be accepted as complete. "It is admitted on all hands," he says, "that they must be in the hands of a central authority, and ought not to be a matter of profit to private persons. Whether they should be paid for in the shape of tolls on ships, or by the public exchequer, does not seem to be a question raising any important issue of economical principle." This last expression of opinion could hardly be maintained now. The United States Government some years ago declared itself strongly against the levy of tolls for maintaining lighthouses, and went so far as to differentiate against ships coming to the United States from countries where such dues were levied on American ships. The countries which levy such tolls are also few in number, the United Kingdom being the only important one. The objection to them economically was stated by Mr. Bagehot many years ago, to the effect that although such charges are no doubt paid in the end by the consumers, yet they are harassing and inconvenient meanwhile to traders, and belong to a class of imposts which offend against the canons of simplicity and equity in taxation.

The figures as to roads, tramways, electric lighting and other undertakings in this chapter have all been greatly increased since Lord Farrer wrote; but it appears unnecessary to give any later figure, especially as Lord Farrer himself has not followed any uniform practice in doing so, there being no corresponding information as to gas, or water, or electric lighting, which

are of no less importance. As I have noticed already, the Light Railway had not come into existence in Lord Farrer's time, although it is already a serious competitor with the Tramway, partly in consequence of an oversight which illustrates the intrinsic difficulties of Government interference with trade. Tramways, very properly, on the supposition that local authorities should be allowed to manage their own business, can only be made with the consent of the municipal authority of the district. It was not foreseen, however, that tramways might be required between adjacent municipal districts not under the same authority, and there is accordingly a want of through tramway accommodation in places where the adjacent municipalities cannot agree. To circumvent this difficulty attempts have been made to use the facilities presented by the Light Railways Act, which were really intended to facilitate tramways on common roads for the accommodation of rural districts where ordinary railways would not pay, but have now been made use of in coupling urban districts together.

The statement (p. 122) that in these various monopolies, including railways, private capital is invested to the amount of £1,000,000,000 is now greatly under the mark. The capital of railways in the United Kingdom alone exceeds £1,000,000,000 (see *postea*).

The Post Office.—A separate chapter (XI.) is given to the Post Office, which is full of statistical information, contrary to Lord Farrer's practice, as we have seen with regard to other monopolies, and where from the plan of the book full statistical information is hardly required. Without attempting to bring all the figures up to date

I may notice that the annual number of letters, for which Lord Farrer gives the figure of 1,176,000,000, or 34 per head in 1880, became 2,323,000,000 in 1901 (nearly double), or 57 per head. Postcards in the same time increased from 123,000,000 to 419,000,000. The table of comparison with other countries (p. 128) is of course subject to the observation that while the United Kingdom has increased greatly other countries have likewise increased. Letters conveyed have increased in France from 524,000,000 in 1880 to 842,000,000 at the latest date before me ; in Germany from 732,000,000 to 2,182,000,000 ; and in Holland from 55,000,000 to 96,000,000. With regard to Telegraphs the number of telegrams sent has increased from 31,000,000 in 1881 to 93,000,000 in 1900 , and the income of the department from £1,360,000 to £3,390,000, so that the number of private messages per person and the whole business has enormously increased The Post Office Savings Bank deposits have increased from £36,000,000 in 1881 to £136,000,000 in 1900, with an even larger figure at the present time. [These deposits are of course exclusive of those in the Trustee Savings Banks which are, however, almost stationary] Money Orders and Postal Orders together have increased from about £26,000,000 in 1880 to about £64,000,000 in 1900. Generally the Revenue and expenditure of the Post Office (including Telegraphs) have increased from £9,000,000 and £6,000,000 respectively in 1880 to £17,250,000 and £13,500,000 in 1900.

The Railway Monopoly.—Regarding Railways (Chap. XII.) there is again a quantity of statistical information, as to which I need only note that mileage has increased

from 18,175 in 1881 to 21,855 in 1900, tonnage of goods carried from 250,000,000 to 425,000,000, number of passengers from 626,000,000 to 1,142,000,000; capital from £745,000,000 to £1,176,000,000; and net earnings from £33,000,000 (1886) to £40,000,000 in 1900. The vastness and rapid growth of the business require no farther illustration.

The principal change in legislation since Lord Farrer wrote was that effected by the Acts passed a few years after he left the department compelling each company to submit a maximum tariff to the Board of Trade, limiting the powers of the companies in respect to rates and charges, and compelling them to submit differences with traders to the judgment of the Railway Commission created by the Regulation of Railways Act 1873. The Companies have since made complaints as to the maximum charges thus forced upon them being too low and inelastic in times of dear coal, and other causes of increased working expenses; but there does not appear to be any extreme dissatisfaction amongst them, while traders still complain of suffering from the railway monopoly, especially in competition with foreign countries or in the competition of agricultural produce with produce imported from foreign countries. Measures have also been passed since Lord Farrer wrote forcing the railway companies to introduce the block system, the interlocking of points and signals, and other improvements in the working of the traffic, and an Act has quite lately been brought into operation imposing on them after a certain interval the duty of having carriages and waggons with automatic coupling, a measure found to be a great means of saving life in the railway working of the United States.

Merchant Shipping.—Coming to the next Chapter (XIII.) on Merchant Shipping, we find little to add, the only important enactment since Lord Farrer's time having been the Merchant Shipping Act of 1894, which was a consolidating measure. The rules as to load lines and the powers of stopping unseaworthy ships have been modified a little so as to meet shipowners' complaints, but nothing substantial has been changed. The figures given (p. 158) as to the magnitude of the shipping interest should be modified a little now. The capital employed has undoubtedly increased, while the profits have not increased in proportion. Lord Farrer refers to a paper of my own in 1882 as the authority for these statements, and it may thus be permitted to me to mention that another paper on the same subject was read to the Statistical Society in 1899, and appears in the Society's journal for that year.

Taxes and Trade—Passing over for the present the next four Chapters, XIV, XV, XVI and XVII, as dealing with the general question of protection and the endeavours of government by hall-marking, branding, laws against adulteration, and similar devices to defend the public against practices injurious to society, we come to Chapter XVIII, dealing with the question of taxes affecting trade, that is, the taxes of Customs, Excise, and Stamps. The chapter is called the “Taxation of Trade,” which is hardly a correct designation, as it is not “trade” that is taxed, but the persons trading, although trade is no doubt affected. All that need be noted is the productiveness of the taxes now as compared with twenty years ago, the articles and rates of duty being much the same, with the exception that

import duties on sugar and corn and an export duty on coal have been added to the number. The total levied in 1900–01 was £26,000,000 from Customs, £33,000,000 from Excise, and about £8,000,000 from Stamps, the total for Customs in the year 1901–2 being about £4,000,000 more, and for Excise £1,000,000 less, so that broadly speaking we may say that these taxes affecting trade produce in all about £70,000,000 annually, as compared with £40,000,000 only at the time Lord Farrer wrote.¹ It is still true, however, that none of these taxes are protective, and that the whole tariff is one of great simplicity. Although Lord Farrer does not deal with Imperial taxation generally as beyond his province, he notices local taxation, and points out the different sorts of local taxes, noting especially the small amount levied locally by taxes in the nature of Customs and Excise. This point has since been strengthened by the abolition of the coal, wine, and corn dues levied by the City of London. It is to be noted, however, that the burden of rates, the direct charge on real property, which are held by many to burden trade, though that is hardly in accordance with economic theory, has increased enormously since 1880. Lord Farrer appears to quote the figures for England only, but it may be more satisfactory to give figures for the United Kingdom as a whole. From these it appears that while the income of local authorities in 1885–6 (exclusive of sums borrowed) was about £55,000,000, of which £38,000,000 was from rates, the total income in 1898–9 amounted to the huge sum of £89,000,000, of which no less than £46,000,000 would

¹ And plus about £6,000,000 more on account of taxes since transferred to local government authorities.

be from rates. Whether rates are a burden on trade or not, the absorption of such large sums by local authorities at a time when Imperial revenues are likewise very large is a matter concerning trade.

Lord Farrer concludes by stating, "Many persons would be glad to see the taxes on tea, coffee, and cocoa abolished. But we may fairly say that our taxation, both general and local, has been so arranged as to throw no undue burdens on trade." This is still true, I believe notwithstanding the heavy rates and the heavy income-tax and death-duties, and notwithstanding the new import duties on sugar and corn, and the new export duty on coal, but it seems doubtful whether Lord Farrer would have thought so. The situation in any case is not quite what it was when he wrote

Trade in War.—The last Chapter of all before the summary and conclusion relates to the State and Trade in War (Chapter XIX.) There is nothing to add here, as far as I can judge, except to note that the paragraph on maritime capture (pp. 203-4) deserves perhaps even more attention than it has yet received. Many years ago, at the time of the Declaration of Paris, this country had an opportunity of joining the United States in procuring a general agreement among maritime countries to the exemption of private property, whether of goods or vessels, from capture at sea, excepting of course vessels running a blockade. In deference to the opinion of naval experts that the right of destroying the merchant navy of an enemy was in our hands a valuable weapon of offence, we neglected to join the United States. The result is that our own mercantile fleet is exposed to capture in time of war,

and we stand to lose enormously by enemies' cruisers ; but no other power in the world has anything at stake either absolutely or relatively such as we have. The weapon of offence we have been so anxious to retain is thus of little value to us, and it may undoubtedly be a strong weapon against us in the hands of our enemies.

The final remarks as to the danger of "expansion" have already been referred to.

Free Trade and Protection—I have reserved to the last the Chapters on Protection, &c., in order to notice that on this head probably the most recent discussions might perhaps have given a new tone to the whole book. The argument of Chapter XV., notwithstanding its theoretical correctness, sounds a little antiquated, when we are occupied with such questions as projects of an imperial zollverein or preferential arrangements between the colonies and the mother country, or the subsidies of foreign governments to sugar and shipping. We can imagine to some extent what Lord Farrer would have said on the new subjects, as he lived to write on the sugar bounty question ; but it is never quite safe to predict of a man of Lord Farrer's calibre what his action would have been in circumstances not before him, and all one can now do is to notice the changed circumstances themselves to which the discussion must adapt itself.

One of the new conditions is the necessity of increased government expenditure, which in turn compels resort to indirect taxes which had been laid on the shelf for years when this book was written. Some will argue, no doubt, that there is no such compulsion, that other forms of taxation are still the best even with increased

expenditure, but it is enough for the present purpose that the question is even debated. The position is quite different from one in which the abolition of taxes on tea, coffee, and cocoa could still be spoken of as probable.

The question of imposing such indirect taxes also raises the subject of protection in a new way. While agreement is easy as to the inexpediency of protection; how about the incidental protection that may be given by taxes that are otherwise desirable? A shilling duty on corn, for instance, which is the main feature of this year's budget, gives protection to that extent to corn produced at home, but if the duty is a convenient mode of raising money, and prevents, as far as it goes, the need for some more odious form of taxation, is it to be rejected solely because it possesses the inconvenience of giving a small amount of protection? Questions like these are not to be put aside when a great revenue has to be raised. Government is a practical business; and breaches of theory, however bad they sound logically, may be ventured on when necessity compels.

The question again of preferential arrangements with the colonies, which undoubtedly involve protection, seems likely to come upon us as a political problem. Suppose this country and its public men to be generally convinced of the inexpediency of arrangements of the sort, but it is made evident that a large proportion of our self-governing colonies are honestly and warmly attached to some such scheme, to the extent that they will regard neglect of their wishes as an affront, will it be possible to neglect such ideas altogether, however much we may dislike them?

The same with sugar bounties. If the colonies,

rightly or wrongly, press a claim to have the whole empire united in retaliation against the measures of foreign governments, which contribute to ruin some of our sugar-producing colonies by means of bounties, will it be possible for the mother country to stand out on free trade grounds against retaliation? The answer to this last question has already been given by the Sugar Convention of Brussels and the general approval it has received. Lord Farrer vehemently opposed a former convention of a similar nature which the government was obliged to drop. But the political element due to colonial opinion was not in such force then as it now is, and if he had lived now, retaining the same opinion and his former vigour, it may be doubted if his success would have been the same.

Last of all, a serious question is coming to the front in regard to subsidies of shipping given by foreign powers. Half a century ago, and even later, such subsidies would have been laughed at by earnest and convinced free-traders. The feeling would have been that if foreign powers gave money to carry English goods and passengers cheaply we should let them. Up to a very recent date it was likewise easy to say that our own mercantile marine had mainly grown without subsidies, only a very small part of our fleet being subsidised to carry mails or to be prepared to become cruisers in time of war. But a few facts of a serious kind have caused the reflection that political questions of great magnitude are here involved and not merely questions of an economic order. It is held to be obviously inexpedient politically that we should permit our merchant fleet to be seriously reduced by the measures of foreign syndicates, like the American "com-

bine" already referred to, or that in the trade between the mother country and the colonies the ships of foreign countries, owing to subsidies, should take a leading place. There is an apprehension that unless we take care our mercantile fleet, which is a vital part of our imperial organisation, will be seriously injured. Protection or no protection, a feeling is growing up that foreign subsidies, and similar hostile attacks on our shipping, must be met by adequate measures of retaliation, including, if necessary, the cancelling of the repeal of the Navigation Laws already referred to as a great free-trade measure in its day.

How far the change of feeling as to free trade and protection thus noted is justified, this would hardly be the place to discuss. But it is at least fair to admit that for political reasons a great deal may be done which could not receive approval if economic matters and reasoning were alone concerned. The omission of politics in this connection was an oversight in my opinion, even when Lord Farrer wrote, but there is no question now as to the complication of free trade doctrine with politics—a complication much greater, and leading to far more serious issues, than anything which existed at the former time and even for many years after. How far the action of the State in its relation to trade will be in fact affected, it is too soon as yet to speculate.

CHAPTER I

WHAT IS THE MEANING OF THE STATE AND OF TRADE?

WHEN we speak of the state in its relation to trade, the questions at once arise, what do we mean by the state, and what do we mean by the trade, of England? It will be well to answer the second of these questions first, for it is not till we know what is the subject with which the state has relations that we can put a meaning on the somewhat vague entity which has relations with it, or on the nature of those relations.

Meaning of Trade—Taken in its widest sense, trade may be held to include all operations by which skill and labour, and the products of skill and labour, are exchanged—the hiring of the workman, and the employment of the professional man, as well as the buying and selling of material wares. But I am relieved from travelling over so wide a field by the treatise which Mr. Stanley Jevons has contributed to this series on the subject of the relation of the state to labour, and I shall therefore, as far as possible, avoid touching upon the many points in which the state comes in contact with the employment and hire of personal labour and skill.

The field remaining to me is only too wide for

adequate discussion in a treatise of this kind. It comprises all buying and selling of material commodities, or material services, and all the subsidiary operations of capital and credit, of capital, which is the title to existing material commodities, of credit, which is the trust that material commodities will be forthcoming : *Quidquid emunt homines nostri est farrago libelli.*

The trade of this country is a very large and a very varied thing. There is, in the first place, all the buying and selling which goes on within the country itself. every village shop, every cooperative store, every market, every dealing between retailers, merchants, manufacturers, importers and producers , every banking and financial establishment in the United Kingdom , with all the subsidiary elements of agency, of brokerage, and of carriage, which are necessary for their operations. But of these internal operations, vast as they are, we have no complete measure in figures. The aggregate value of our home trade is not given in any official statistics ; and of the different attempts which have been made to estimate it, none appear to me to be trustworthy , we have no complete returns of all our home industries , and even if we had, it would be almost impossible to distinguish how much of those industries and their profits is due to foreign, and how much to home, markets. But our ultimate consumption at home of articles produced, or partly produced, at home, must be enormous, and the home trade which supplies that consumption must be enormous also. The causes of our immense internal trade are to be found in our great accumulated wealth , in the differences of rank, class, and occupation, producing an immense variety of wants , in the variety as well as the mass

of things which the country produces, in the coal and iron which enable us to manufacture; above all, in the energy, skill, and ambition of our people, in their desire to improve their condition, and the facilities which their own character and their free institutions give them for so doing.

We are also the greatest of traders with other nations. The exports and imports of the United Kingdom are estimated to be nearly one-fourth of the foreign trade of the whole world; and if the trade carried on with English capital between foreign countries were included, our foreign trade would be found to amount to much more.

We are also the greatest capitalists, the largest lenders to foreign nations; and we reap the benefit in that excess of imports which is so much dreaded by protectionists and fair traders. Good statisticians estimate our investments abroad at not much less than £2,000,000,000

We are the greatest of brokers, we do the business of agents for other nations, and we get an ample commission upon it.

We are the greatest of carriers. Our shipping—ever growing, both actually and also proportionately to that of other nations—is now equal to more than one half of the shipping of the whole world. The value of our ships is estimated to exceed £100,000,000; the amount of cargoes afloat under our flag at any given moment is very much larger; and the property covered by it in the course of a year is probably not less than £1,000,000,000. Our ocean trade is two-thirds or more of the ocean trade of the whole world. Our superiority in shipping is due, in part, to the causes I have men-

tioned above, but also and especially to the courage and seamanship of our mariners, and to the skill of our engineers

It would be easy to illustrate the magnitude of our foreign trade by further details. But I will not attempt to give figures which are easily accessible in the *Statistical Abstract*, and other well known compilations

Meaning of the State.—The essential feature of trade, in other words, of buying and selling, consists in a free exchange of commodities between two persons, each giving to the other something which he wants less and the other wants more than the thing which the other gives to him, and the exchange may be either completed at once or may be the subject of a mutual promise or contract. In one sense every thing which lies outside this free dealing between the two persons concerned may be called the state. Every dealing is surrounded and limited by a large number of circumstances which are independent of the will of the parties; and every dealing may involve a large series of consequences which the parties themselves do not, and often cannot, provide for. Besides positive law, there are customs and habits, either of the whole community, or of particular classes, which individual buyers and sellers can no more disregard than they can disregard the law itself—customs and habits which are often only law in process of formation. We feel the support or the weight (as it may be) of these habits in almost every action of our lives, and as they proceed from the instincts or desires of the community, whether expressed and conscious, or silent and unconscious, we might possibly include these under the term “state.” But to do so would lead us too far, and we must reject

all that lies outside of, and restricts freedom of buying and selling, as beyond our proper scope, unless it is embodied in positive rules which can be enforced.

This limitation, however, still leaves us a very large field. There remains the whole domain in which the state, acting through the means of law and administration, which are the expressed voice of the state, affects buying and selling. It does so in a variety of ways. It affords security; it enforces and limits contracts, it regulates monopolies; it places restrictions on certain dealings. In some cases, and those the most extensive, its function is to render trade practicable and to facilitate its operations. In other cases its function is in the nature of interference with what traders might otherwise do. To give a short outline of these functions is the object of this treatise.

CHAPTER II

THE ACTION OF THE STATE IS EFFECTED THROUGH THE LEGISLATURE; THE COURTS OF LAW, AND THE EXECUTIVE

THE general action of the state is effected through various organisations

Of these the Legislature is the most important. It is of course supreme over the rest; and, except in the case of judge-made law, which is an interpretation by the courts of the customs of trade, or an application by them of existing legal analogies to new cases, all interference with trade originates with the Legislature. The Legislature carries its will into effect in two distinct ways. It may pass laws which give certain rights and remedies to the persons interested, and may leave it to them to enforce the law by taking their own proceedings, according to their own interests, in the courts of law. In this case the courts are the organs through which the state exercises its power. Or, again, the Legislature may intrust the duty of enforcing the law to an executive department, which then becomes the organ of the state for the purpose. The latter is the more obvious and direct, and I believe at present the more popular, form of interference · and in many cases it is necessary.

But when the other form of interference is practicable, it is probably the more searching and effective, and it is free from the numerous objections which exist to the creation of hosts of inspectors and officials. What people do not see is that the two forms of interference are generally incompatible. There may be a remedy by way of penalty or damages; or there may be a remedy by way of government supervision, but there cannot be both. If a government officer has stated an article to be what it pretends to be, or what free contract or the law requires it to be, no purchaser can refuse to receive it or recover damages for loss which he sustains by its defects. If a government inspector has certified a mine, or a ship, or a railway, or a house to be safe, the mine owner, the ship owner, the railway company, or the builder are freed from all liability, civil or criminal, in courts of law, on the ground that it was unsafe, however unsafe it may really be, and however culpable the conduct which made it unsafe.

The two forms of interference are sometimes contrasted as "Prevention" and "Cure"; and it is said that prevention is better than cure. It is better, say the advocates of government supervision, to prevent a wrong being done, than to punish it or give damages for it when done. But the contrast is false. A remedy which inflicts a heavy punishment, whether in the shape of imprisonment or damages, for an injury, is a deterrent as effective as—often more effective than—the presence of a policeman. "You are hanged," said the judge to the criminal, "not because you committed murder, but in order that other persons, when tempted, may not commit murder." On the other hand, there are many cases in which there is great difficulty in bringing home

a criminal remedy, or even a remedy in damages. But the question between the direct interference of a government and the remedy by penalty or damages must in all cases be, not whether "prevention is better than cure," but which of the two modes of prevention is the most practicable and most effectual.

The direct interference of the executive is exercised either by one of the departments of the central government presided over by a minister of the Crown, responsible to Parliament, or by some local authority, such as the municipal council of a town. Whether exercised by the one body or the other it is equally the operation of the state; and we shall find that both the one and the other, and sometimes both, are constantly called into play according to the difference of the subject-matter. Until late years there has been some indisposition on the part of Parliament to trust large powers to local representative bodies, arising partly from interested opposition, partly from mistrust of local authorities, partly, perhaps, from a jealousy of parting with power—a feeling which actuates popular assemblies no less than kings and ministers. But there appears at present to be an increasing and wholesome feeling in favour of delegating the control of local matters to local bodies, a most desirable thing, both because it relieves the overburdened Legislature and the growing central administration; and still more because it encourages the development of public spirit and political capacity throughout the country.

The treatise by Mr. Traill on Central Government, which forms part of this series, describes the several great offices of state and their several duties. It is therefore unnecessary for me to give any general account of

the way in which the various administrative functions of the state relating to trade are distributed amongst the departments. That distribution can scarcely be referred to any general principle, since it has been a matter of history and of accident, rather than of design, and the functions of government which affect trade are exercised by different departments without much regard to logical consistency. Much has been said lately about a Ministry of Commerce, but no very distinct programme of its functions has yet been formulated. It would no doubt be possible to rearrange the duties of the several departments more logically than they are now arranged, and to give to a minister for trade a higher and more definite position in the government. But it must be remembered that, do what you will, the duties of such a minister must necessarily run into and mingle with those of other ministers; that many of the relations of the government with trade have for their object, not trade itself, but some other object which is the proper subject for another department of the state; and, above all, that the name of the minister, and even the arrangement of business, is of much less importance than the character, position, and ability of the particular officers, political or permanent, who have to do it. If any such change as is proposed should be made, may I be allowed to express a hope that the time-honoured name of the "Board of Trade" may still be preserved,—a name connected for evil or for good with the history of our government, our colonies, and our commerce, from the time of Oliver Cromwell to that of Mr. Gladstone.

CHAPTER III

THE STATE PROTECTS LIFE AND PROPERTY , PROVIDES MEANS
FOR THE SETTLEMENT OF DISPUTES , PROMOTES
EDUCATION ; AND FURNISHES INFORMATION

THERE are certain general functions of the state which have no special relation to traders more than to any other class of the people, but without which trade could not flourish, and could scarcely exist Such are the following —

Protection to Life and Property.—By means of the police, of the criminal law, and of civil remedies for violence and injury, the state affords that security against robbery and wrong without which free buying and selling would come to an end. No goods could be safely carried or kept for sale without it. The cattle markets of the Scotch border would have been impracticable in the old days of cattle lifting , and a few days of such riots as Lord George Gordon's, would stop the business of London. The robber barons of the Rhine were put down in the interests of the trading towns of Germany , and the growth of maritime commerce has led the nations to treat pirates as the one class of criminals whom no flag protects from condign punishment.

But it is needless to illustrate this point. The first and most essential relation of the state to trade is to afford security for life and property.

Settlement of Disputes.—In establishing courts of law with the requisite powers, the state provides the means of settling the questions concerning property which arise between its subjects, and which, in a trading country like ours, are especially numerous and important. It is in the process of determining such disputes that a body of law is formed ; by adopting the customs of traders as their guide, and reducing those customs to logical consistency, a succession of able judges have produced our excellent system of mercantile law. It may be added that the function of the state in settling disputes is distinguishable by no definite line from its function of enforcing contracts, which is more fully noticed below.

Education—General education, from reading, writing, and arithmetic, upwards, is essential to business. Beyond this, the state gives a certain amount of special assistance to manufactures, by helping to establish museums, and by making grants to science and art schools. It is probable that technical education has yet to receive a much greater development in this country, and the state will no doubt be called upon to take a large part in it.

Information.—The state furnishes this in a variety of ways, many of which are generally, and some specially, concerned with trade.

It undertakes scientific observations and publications which private effort cannot accomplish. Among these are astronomical observations and the *Nautical Almanac*; hydrographic surveys and admiralty charts; surveys

and maps of the United Kingdom, geological and mining surveys and records, magnetic and meteorological observations. It publishes elaborate statistics of all matters coming under the cognisance of public departments, of which those relating to the foreign trade of the country are amongst the most important. It collects, through the diplomatic and consular service, reports concerning the trade and industries of foreign countries, and it lays before the public either in the *Gazette* or in Parliamentary Papers a great variety of information on subjects connected with trade.

CHAPTER IV

THE STATE ENFORCES, EXPLAINS, AND ADDS TO CONTRACTS

To enforce contracts is, as we have said, one function of the state. It is a function of great importance, and is especially connected with trade. The nature of this function, therefore, calls for some general observations.

Freedom of Contract—Every act of buying and selling, unless completely executed at once, constitutes what the lawyers call a contract. But is not contract free? Is not anybody at liberty to make or not to make a contract of purchase or sale, and, if so, is he not in so doing out of the domain of state interference? To the first of these questions I shall reply presently. To the second I say—By no means. The very notion of a promise, an obligation which the law will enforce, implies that the transaction is not complete without the sanction of law, that it is one which the law steps in to complete if either of the parties fails to do so. This is the action of the state in its most powerful and all-pervading form, so universal in its operation that we hardly think of its existence. But it could not exist among men who are not bound together by strong common institutions: it only does exist in its

fully developed form in very highly organised communities. The point is an important one, and is often lost sight of. Freedom of contract is often spoken of as if it were the same as simple freedom of action or disposition. But it is no such thing.

Contract involves obligation, which is the opposite of freedom. When a man makes a contract he gives up a portion of his freedom; he binds himself by a promise to another person to do or not to do certain things; and this promise, if binding in the eye of the law, is one which society, with all its crushing and overwhelming power, will compel him to perform. To use the words of a recent book of authority, "Every person not subject to any legal incapacity may dispose freely of his actions and property within the limits allowed by the general law. Liability on a contract consists in a limitation of this disposing power by a voluntary act of the party which places some portion of that power at the command of the other party to the contract. So much of the contractor's individual freedom is taken from him and made over to the other party to the contract."¹ Freedom of contract is, therefore, a very different thing from freedom of action and disposition. So far from the doctrine of contract being identical with freedom, it is *pro tanto* the reverse. So far from its being non-interference on the part of the state with individual action, it is interference of the most subtle, searching, and overwhelming kind. It brings the whole weight of the social fabric upon the man who has bound himself by a promise. His freedom consists in being able to make or to abstain from making a binding promise. But when he has made it, the state uses its whole

¹ *Pollock on Contracts*, p 187, 2nd ed.

despotic power to compel or prevent his free action. Care therefore has been taken by the state to prevent the abuse of such a power. The law of contract—a branch of law which is ever growing in importance, in magnitude, and in complexity—is, in fact, a statement of the limitations which it has been found necessary to impose on absolute freedom of contract, the definition of the conditions under which, and of the manner in which, a man may make such a promise as the law will enforce.

The great difference between the system of free contract and the system which it replaced lies, not in the absence of obligation, but in the substitution of a self-imposed obligation for an obligation imposed by some external power. The progress made in the last hundred years has consisted in the abolition of a great number of the restrictions which, whether in the form of feudal, tribal, or family relations, of trade guilds and their rules, or of the protective industrial systems of modern Europe, made a large part of each man's obligation depend, not on his own individual choice, but on certain rules and relations laid down and determined for him by society, by custom, and by law. The substitution of the rights and duties arising from the free contract of the individual for the duties arising from status and relation is one feature in the history of that development of the individual, which in the domain of law has been so well illustrated by Sir H. Maine, and which is no less marked in the domains of political, of social, and religious liberty than in that of buying and selling, in which it has played so important a part.

In adopting freedom of contract as the general principle governing mercantile dealings, what has been done

is not to abolish obligation, but to substitute for an obligation devised by custom or law an obligation self-imposed by the individual, and this obligation, the state, not without many additions and limitations, undertakes to enforce.

Contracts Enforced by the State.—The widest and most important function of the state with relation to trade is then to enforce contracts ; and it does this by means of suits for damages and for specific performance in courts of law. In the next chapter will be found mention of some of the branches of law into which this great function of the state develops. To treat it fully is of course impossible, for to do so would be to write a treatise on mercantile law, to enumerate all the legal rules which affect both retail and wholesale dealings.

I have said that in enforcing self-imposed obligations the state does so with many limitations and also with many additions. Of the limitations I shall speak below. On the additions it may be desirable to add a few general observations, so as to show how much the state does, not only in enforcing the actual obligations which people have made for themselves, but in so construing those obligations as to make them in many cases far more extensive than the parties ever really contemplated.

Contracts Explained and Supplemented by the State—The great principle which governs the action of the law, i.e., the action of the state, in these cases, is that free and intelligent consent is of the essence of such a contract as the law will enforce. This is entirely at one with the economical principle which relies on free and intelligent choice, dictated by self-interest, as the

most efficient agent in the production of wealth. In cases where there is no such free and intelligent consent, no such free choice, the essential elements are wanting which, in the eye of the law and political economy, give sanction to contract obligations. But we are constantly in the habit of assuming that this free choice and consent exist where there is really no choice or consent at all, and no intention of consenting; and the habit is fostered by the fictions to which lawyers, in their custom of referring all obligations to contract, are constantly resorting. We have no right to assume, as we constantly do, that, in matters which have become habitual, each person does or can exercise free choice whenever he makes what is termed a contract. Life would be intolerable if he did. Nine-tenths of the consequences of all our dealings are fixed for us by practice and by custom, and we are as unable to escape from these consequences as if we were enjoined by a specific statute. When we order a bale of goods, when we sell the produce of our land or our labour, when we take a railway ticket, when we send a packet by land or sea, when we insure our lives, our houses, our ships, or our goods,—in short, in almost every dealing of life, we subject ourselves to a series of conditions and consequences, many of which we do not and cannot know, and from many of which, did we know them, we should be absolutely incapable of freeing ourselves.

And yet, whenever a question arises in the law-courts as to the effect to be given to any of these conditions, the question which the lawyers put to themselves is almost always, “What did the parties mean?” and the conclusion at which they arrive is

justified or even sanctified in their eyes by the assumption of an implied promise, when, if the truth were told, in nine cases out of ten the parties had no meaning about it at all, having never contemplated the contingency which has arisen. And even if the question were put in the more plausible form, "What would they have intended if they had foreseen the contingency?" it is still open to the observation that they might not, and in many cases would not, have been free agents in the matter. To say that a man must be held to have dealt with a view to all the consequences which law, which is the voice of the state, attaches to such dealings, may lead to the conclusions which justice and convenience require. But to say so leads us too often to ignore the fact that he did not as a matter of fact have these consequences in view, and that the state has really created them for him.

The case of the law of carriers and of innkeepers affords a good illustration. By the law of England the carrier was supposed to take the risk of loss or destruction of the goods committed to his care, and the innkeeper was held responsible for articles deposited by travellers in his inn. The lawyers added these stipulations to the actual contract, and justified the addition on the ground that it must have been what the parties intended. But as a matter of fact special stipulations to this effect were not made, and it is not likely that any carrier or innkeeper ever really intended to make such a stipulation. Indeed, so far were the added stipulations contrary to the real intentions of the parties that the state has been forced to step in afresh, and by special statute to modify and limit the

liabilities which, by the action of the courts of law, it had itself created

It is quite possible that the conclusions of the law may be right, although arrived at by the fiction of an intention or a promise which never existed; but the real absence of such an intention or promise shows how large a part the state plays, not only in enforcing what are ordinarily looked upon as the free and unfettered contracts of the parties, but in adding to them and in raising implications from them.

The state thus interferes with almost every mercantile dealing by adding to it a number of incidents which were not in the words, and often not in the minds, of the parties to the contract. This interference however forms part of the general mercantile law, and to attempt to describe its effect or to follow its application to particular mercantile contracts would carry us into a field far too wide for the scope of this treatise

A further form of interference by the state of a similar kind is to be found in the numerous cases in which the legislature constantly interferes for the purpose of altering the existing legal incidents of a contract, leaving the parties either to adopt the altered law by allowing it to take its course, or to adopt other stipulations if they please. A well-known instance of this sort of interference is to be found in the recent Agricultural Holdings Act, which alters the existing consequences of a farming lease, and imposes new obligations on the landlord where there is no stipulation to the contrary. It is obvious that here there is no interference by the state with the freedom of the parties to contract, but simply with the custom or legal decisions which it has itself adopted as the

incidents of their contract when no other intention is expressed.

We thus see that one most important function of the state in relation to trade is to enforce contracts of purchase and sale, and to supply the deficiencies which necessarily exist in all contracts by adding to them those incidental consequences and conditions which, in legal language, the parties must be supposed to have contemplated, but which are, in fact, consequences and conditions which the courts of law, having regard to the ordinary practice of buyers and sellers, think to be reasonable. This function of the state is exercised by courts of law, and almost escapes notice as a function of the state from its universal application and the tacit consent with which it is accepted. We also see that it is a further function of the state, acting through the legislature, to see that these consequences and conditions of a contract of sale are, from time to time, adapted to the present wants of buyers and sellers; to put an end to such as are obsolete or injurious, and to add such as the ever varying and growing necessities of trade require.

CHAPTER V

MERCANTILE LAW

IT is, as stated in the last chapter, impossible in a work of this kind to do more than refer in the most general way to that great mass of rules by which the business of buying and selling is regulated, and to which we give the general name of Mercantile Law. This law is not separated from the great body of our law by any definite line, for the remedies for non-payment of a debt or other non-performance of a contract are the same whether the cause of action has arisen out of buying or selling or out of any other relation. But there are certain large branches of law, which if not exclusively concerned with transactions of sale and exchange, are yet so intimately connected with those transactions that they may be said to owe their character and even their existence to them. A reference to some of these will show how wide and powerful is the influence which the state, regarded as the authoritative exponent of legal rules, plays in regulating all the doings of trade.

Debtor and Creditor.—The law of debtor and creditor constitutes a very large portion of our civil code. It is not exclusively mercantile, because, as noticed above, a debt may arise out of relations which have nothing to

do with trade. But by far the greatest number of debts do arise directly or indirectly out of trading relations, and therefore of the whole law of debtor and creditor the greater part would have no existence but for trade.

Partnership is a relation which involves joint profit, and this profit is always made by some kind of trade. The law of partnership, therefore, with all its incidents, the rules which govern the creation and dissolution of partnerships, the relation of the partners to one another, and the rights and liabilities existing between them and third parties, are rules which the state adopts and enforces for the benefit of trade.

Joint-Stock Companies—These are an extended form of partnership, requiring a special law of their own. This law fills one of the longest acts in the statute-book, and the act is supplemented by an ever-increasing mass of judicial decisions.

Principal and Agent.—This is a relation which, though it may exist independently of any commercial relation, does in the great proportion of cases arise out of such relations. In the present state of trade, when so many mercantile transactions are carried on between far distant places, and when the ever-growing magnitude of the business done and of the organisations by which it is done renders intermediate agency more and more extensive and more and more indispensable, the law of principal and agent is more than ever important to trade. The relations of principal and agent to one another and to third parties, embodied partly in statute law, but still more in judicial decisions, form a large and important branch of law.

Shipping.—This species of property is peculiar in many

respects, and has a special law of its own, which is to be found in one of the longest acts in the statute-book, in a great number of amending acts, and in innumerable judicial decisions, besides constituting a considerable part of that somewhat vague system of rules known as international law. On this subject more will be found below in Chapter XIII

Bills of Exchange.—This form of mercantile contract, simple enough in its essential and original character, has obtained such wide and varied use that it has given rise to a complete system of special legal rules, which have at last been codified in an act of the last session¹. The case is interesting as an excellent illustration of the way in which practice and custom grow into law; and is therefore worthy of special notice

A bill of exchange is, in its original form, an order by a trader who is selling goods upon the trader to whom they are sold to pay the price of them to some third person. The one trader may be in one place or country, and the other in a different place or country. When the order is acknowledged, or, in technical terms, accepted, by the purchaser of the goods, the contract is complete, and is performed by payment at the appointed time. This instrument, with the right to sue upon it, is, unlike most other legal contracts, transferable by mere delivery, and it is not necessary to prove that any consideration has been paid for it. Any person who endorses it—*i.e.*, places his name upon the back of it—makes himself responsible for the payment to any subsequent holder. Possessing these qualities, bills of exchange become a valuable form of property. They are used for a great variety of purposes: they are a

¹ 45 & 46 Vict. ch. 61.

common form of credit, and to a large extent replace currency ; they are investments for bankers' deposits , they constitute the ordinary means of remitting money from place to place, and of settling the balances of trade between different countries , and the price paid for bills is an important index of the commercial and monetary relations existing between different nations. If it can be said with truth that modern trade could not go on without money, it may be said with equal truth that it could not go on without bills of exchange ; and the body of rules which govern them, though it has grown out of mercantile usage and not out of the direct action of government, is now no less the creature of the state than the law concerning the coinage

Contracts with Carriers —These again form a large and elaborate branch of the mercantile law, and are especially important in such a country as ours. They include contracts with railway companies for carrying and forwarding goods ; charter parties of ships ; and, above all, bills of lading for goods carried in ships, which are negotiable instruments, and carry with them by mere assignment the actual property in the goods which they represent.

Marine Insurance —Policies of assurance, again, are contracts of the greatest importance to a mercantile country, and the difficult and complicated questions to which they have given rise between shipowners, owners of cargo, underwriters on ships, and underwriters on cargo have called for decisions so numerous that they fill volumes of reports and text-books.

Formation of this Law —The above are some of the principal branches of our law which owe their existence to, and which support and regulate, our trade, and it will

be seen from the above short reference to them how impossible it would be for trade to be carried on without the action of the state which they involve. It is true that the greater part of this law has grown out of the practice of traders, and is not due to the original or direct action of the sovereign or the legislature. Merchants have done what they found useful, and the lawyers who have been intrusted with the function of declaring the law have very sensibly, by means of a useful fiction, declared the law to be what the merchants have practised, wisely confining their own part in the matter to ascertaining the customs of trade and giving to those customs form and logical consistency. Finally, the legislature has, in some cases, adopted the rules thus determined, and has given them the form and sanction of an Act of Parliament. The case of bills of exchange is an excellent illustration of the process of constructing our mercantile law. The assignment by delivery of a right of action was a thing unknown to our earlier common law; and the notion of a contract without consideration was abhorrent to the doctrines of courts of equity. But traders had found the convenience of the modern bill of exchange which can be assigned by delivery, and for which no consideration need be shown, and wise judges adopted as law what the merchants had adopted as practice. An elaborate series of rules was gradually worked out on this basis, and finally a code containing these rules has been embodied in a printed Act of Parliament.

It will however be found on consideration that in every free and well-governed country, whether the law has had its apparent origin in a decree of a sovereign, or in an act of a representative legislature, or

in the adoption by judges of an existing practice as law, the law thus adopted and declared is really an expression of a popular want, and a sanction given in the name of the collective nation to a rule which it needs and of which it approves Our Mercantile Law is, fortunately, more than any other branch of law the direct outcome of the needs and practices of trade, and to this it owes its great excellence. But it is not the less on this account the voice of the state

Operation of this Law.—When it is said that the law regulates all mercantile transactions, it must not be supposed that its active operation is consciously and generally felt. The law acts as a guide and a scarecrow, but it is seldom necessary to apply for its compulsory intervention Take the law of debtor and creditor . every debt can be enforced at law , but out of the many millions of debts which are incurred every day, the number which are enforced at law is small indeed. We often hear of commercial dishonesty, but it is the exception, and a rare exception. The more surprising thing is to think of the innumerable transactions which are completed, the millions of money which change hands daily, on the faith of a word or a scrap of paper, without even the consciousness of a legal obligation. Honesty is not only the best policy, it is the one essential virtue of a trading community. Law is appealed to only in very exceptional cases of distinct roguery, or in cases where real doubt exists as to what the obligation ought to be. The law is not felt at all in the great majority of cases where its intervention is not required. Hence the value of civil liability as a remedy for wrong, as compared with the favourite remedy of direct administrative supervision, Where it can be made the duty

of men to perform a given duty or to abstain from a given injurious practice, where this duty can be made the foundation for a civil suit at law, and where it is sufficiently to the interest of their fellow-men to make them abstain, an action for damages by the person injured is not only the most efficient remedy, but it has the great advantage that it is applied only in the particular cases in which a remedy is needed, and does not, like the supervision of an executive officer, interfere with all the innocent operations of ordinary dealings.

CHAPTER VI

GENERAL LIMITATIONS BY THE STATE OF CONTRACT OBLIGATIONS

IT is, as we have seen, a most important function of the state to enforce the obligations of trading contracts, and in so doing to add largely to those obligations. It also interferes by imposing a great number of limitations on these obligations. Of these limitations some are general in character, restricting under certain circumstances the power or right to enter into any such obligations, and restricting or abolishing under certain circumstances the binding power of such obligations. These general limitations form the subject of the present chapter.

Personal Disabilities.—An infant, a drunken man, and a lunatic cannot trade at all; they are not allowed to bind themselves by any contract obligation to a person who knows their condition.

A married woman's power of trading has hitherto been limited; but this limitation is done away with by a statute of the last session (45 & 46 Vict. ch. 75), which gives her complete control over her own property, enables her to bind herself and it by trading

contracts, and makes her subject to the bankruptcy law

A trader cannot bind himself by any general contract not to exercise a lawful trade, and contracts for a strike or lock-out cannot therefore be enforced at law.

An alien enemy, *i.e.*, the subject of a state with which we are at war, cannot trade with us; but an alien friend can do everything in the way of trade which a British subject can do, with the exception that he cannot own British ships

Certain traders are required to obtain licenses before exercising their trades. They are—apothecaries, auctioneers, brewers, brokers, chimney-sweepers, distillers, game dealers, goldsmiths, marine-store dealers, patent medicine sellers, pawnbrokers, playing-card makers, pedlars, publicans, tobacco sellers, and vinegar makers. In some of these cases the object is the public health; in some, the protection of the public revenue, in one, humanity, whilst in some cases the reason for requiring a license is not obvious

Limited Liability—In this place we may notice an important disability which the state, acting through the law-courts, formerly imposed on a certain form of trading, but which is now removed, a disability which, whilst it existed, prevented, or at any rate checked and obstructed, one of the most important factors in modern industry—joint-stock enterprise

When joint-stock undertakings were first established, the courts of law insisted on applying to them the doctrines and rules of procedure of the old law of partnership, which, besides being cumbrous and utterly inapplicable, made it essential that every shareholder should be liable to the whole extent of his fortune for

all the debts of the concern. This doctrine was modified in the case of parliamentary companies by private Acts of Parliament, and in some other cases by Royal Charter. But it was not till the passing of a bill introduced by Mr. Lowe in 1856 that full power was given to joint-stock associations to incorporate themselves with a proper organisation, and with limited liability. The act was extended to banks in 1858, and the whole law was amended and consolidated in 1862. Since the passing of these acts, all persons have been able to organise themselves for any lawful purpose, and to undertake commercial dealings with others on the terms of either limited or unlimited liability on the part of their members. From a parliamentary return in 1877 it appears that the paid-up capital of companies registered under the Joint-Stock Companies Act exceeded £300,000,000. This is of course exclusive of parliamentary companies, such as railway companies, and also of companies formed under charters.

There is probably no feature in modern society which has effected so great a revolution in trade and industry as joint-stock enterprise, and this enterprise could scarcely have existed under the fetters which the state formerly imposed upon it. The case is extremely interesting as an illustration of the important part which the state may play in checking or developing industry, and also of the mischief it may do, almost without notice, by an impolitic restriction.

Statute of Frauds, 29 Car. II ch. 3.—By this statute any contract for the sale of goods for more than £10 is void unless it is in writing and signed by the parties or their agents, or unless there has been delivery and acceptance of the goods, or of part of them, or

payment or part payment by the buyer. The litigation on this section has been very great. One judge is reported to have said that every word of the section was worth a king's ransom, and a second judge to have retorted that every word had cost a king's ransom. I believe that until quite recently every contract for the purchase and sale of cotton sold at Liverpool was rendered invalid at law under this enactment, and that a very large part of these contracts are still invalid. So difficult is it for the state to interfere judiciously with mercantile dealings; and so ineffectual is the interference of the state when it runs counter to the practice which buyers and sellers, for their own convenience, adopt.

Statute of Limitations, 21 James I. ch. 16.—In the absence of special stipulation to the contrary, an unexecuted contract would never be at an end; the obligation would remain hanging over the heads of the parties for ever. It has therefore been the policy of every civilised government to fix a period beyond which it will give no assistance to enforce contracts. In the case of contracts for the purchase and sale of goods, this period was fixed by the statute of 21 James I. ch. 16, at six years, and this period of limitation still remains. It is generally put by the lawyers on the ground of the legal maxim, *Interest reipublicæ ut sit finis litium*, but the more intelligible ground is that it is not right that a man should remain for an indefinite time the slave of an obligation which there has been no attempt to enforce.

At the present time, when there is a constantly growing tendency to curtail credit, when the steamship, the railway, and the telegraph, have accelerated mercantile operations, and when the period for which bills

have to run is becoming shqamong his creditors, that number of wholesale transactid not carry with it penal for cash , when of retail traocent debtor should be free are for ready money , wheperty again , and that mispaid weekly, and few rurshould be distinguished from period of six years is muuld be punished accordingly For most of the transactionperfections there still are in be ample, and if the effect oal progress has been made in some instances to prevent a satisfactory footing and in others to make the seller treat importance in ment, the effect would be a very whol' confessedly and again, it is important to remember tha~nicipally to the ference of the state with freedom is where n ~xposure contracts , and that, when it refuses to insist on . being performed, by that refusal it restores freedom

Bankruptcy —(The Bankruptcy Act, 1869, 32 & 33 Vict. ch 71, and Debtors Act, 1869, 32 & 33 Vict. ch 62, contain the present law on this subject) Bankraptcy, again, is a case in which the state refuses, under certain circumstances, to follow the usual rule of enforcing individual contracts, and substitutes a special mode of proceeding, the ultimate effect of which is generally to free the contracting party from the obligations which he has taken upon himself. It is so far like the Statute of Limitations that it is a restoration of freedom, although upon certain stringent conditions. The general features of the bankruptcy law are as follows :—

When a man has incurred a number of debts and is unable to pay them, he may be made a bankrupt. The consequence is that all the property which then belongs to him becomes divisible amongst his creditors, and that if the court gives him a certificate of discharge—

payment or part payment ~~had~~ case of misconduct is made on this section has been very charged from his obligations, to have said that every word enjoy property and to begin a king's ransom, and a secon^d vision is made for punishing that every word had cost a kases where a debtor can that until quite recently every is still vested in the court and sale of cotton sold at LBut for mere debt with valid at law under this enactr be imprisoned. On these part of these contracts are slow no dispute, and they are it for the state to intiation of every bankruptey bill. dealings, and so many real distinction of importance state when it rrs and other persons, or between bank- and sellerad insolvency · it is admitted that all debtors,

Strader in what is called trade or not, must be subject ato the same law of debtor and creditor.

There has thus been a great advance since the time when men charged with non-payment of debts were imprisoned both on mesne process, *i.e.*, before any judicial sentence, and also after judgment, when our gaols were full of debtors , and when, unless a man was what the law recognised as a trader, he could not, even when discharged from prison, earn or acquire property freed from his previous debts. We ought not to forget this when we hear so many complaints against the present law of bankruptey. It is not likely that that law will ever give entire satisfaction Where a creditor gets only half a crown or five shillings in the pound out of what is due to him, he is not likely to think the proceeding by which he gets it a satisfactory one ; nor is it likely that any process of liquidation can be established which will not waste much of the assets in expenses. But the establishment of the principles—that when a man is unable to pay his debts, his

property should be divided among his creditors ; that mere inability to pay should not carry with it penal consequences ; that an innocent debtor should be free to trade and acquire property again ; and that misconduct in incurring debt should be distinguished from mere insolvency, and should be punished accordingly —shows that, whatever imperfections there still are in the law of bankruptcy, real progress has been made towards placing that law on a satisfactory footing.

There are however points of great importance in which our bankruptcy law is still confessedly and mischievously defective These relate principally to the collection and distribution of assets, and to the exposure and punishment of culpable debtors

An attempt was made in 1832 to collect and distribute the assets of the bankrupt by official agency, under the control of the court This agency was at first successful, but ultimately broke down, probably in consequence of the want of that administrative supervision which a court of law is not fitted to give. The collection and distribution of assets was in 1869 handed over to the creditors, without official, and even, in most cases, without judicial control , and the consequence is found to be that, as it is not worth the while of the creditors generally to spend time or trouble in looking after bad debts, the management of the business falls into the hands of a class of agents whose only object is to make as much as they can for themselves out of it.

Again, in placing the collection of assets in the hands of the creditors, no provision was made for enforcing that part of the law which provided for the exposure and punishment of fraudulent or otherwise culpable dealings. Gross frauds and misconduct consequently

escape censure and punishment, and are not even brought to the notice of the court of bankruptcy, which, like other courts of law, can only act upon charges and evidence brought before it.

To remedy these evils it has been proposed in recent attempts at bankruptcy legislation, to allow no debtor to obtain the benefits of bankruptcy without public inquiry and examination ; to give to the creditors the assistance of an official agency, responsible to a minister of the Crown, which shall aid, but not control them, in managing, collecting, holding, and distributing the assets , and to intrust to the same official agency the duty of inquiring whether the debtor has been guilty of criminal misconduct, and, if he has, of bringing it before the bankruptcy court with a view to the refusal or suspension of his discharge or before the public prosecutor, with a view to criminal proceedings The inquiry would be analogous in character to a coroners' inquest, or to the more modern inquiries which now take place into shipwrecks, and into railway and mining accidents. If it is the duty of the state to inquire into the causes of accidents which cause injury to life and limb, it is at least equally necessary in a mercantile country like ours to make inquiry into collapses of credit which affect our national character, and often bring want and misery into a thousand homes.

A further point of great interest in any new bankruptcy scheme is the question of making some proceeding analogous to bankruptcy applicable to the case of workmen who have little or nothing but their weekly wages, so that they may, in case of insolvency, be able at moderate cost and on reasonable terms, to obtain their discharge, and so that the sentences of imprison-

ment which county court judges now inflict for wilful non-payment of small debts, may be reduced within the smallest possible compass.

Bills of Sale.—These are in form instruments by which goods and chattels are sold ; but as goods and chattels are generally transferred and pass by delivery, bills of sale are little needed for the purpose of actual sale, and are generally used as securities for the advance of money, the possession of the goods remaining with the original owner, and the grantee having the right, in default of payment of interest or principal, to seize, sell, and realise. Under these circumstances the legislature, in order to give notice of the real state of the ownership, has long required bills of sale to be registered ; and by a recent act, which purported to surround them with additional precautions, bills of sale when duly registered were made to take the property out of the operation of those clauses of the Bankruptcy Act which provide that goods left by the true owner in the possession and apparent order and disposition of the bankrupt, shall be treated as forming part of the debtor's assets for the benefit of general creditors. The effect of this, coupled with other circumstances, appears to have been very unfortunate. Bills of sale have multiplied enormously ; the precautions which it was supposed would secure needy persons against granting improvident bills of sale, have operated in the contrary direction , poor artisans have been victimised by money-lenders , and wholesale dealers and other creditors have found that the goods on which they relied as belonging to their debtor, and which in many cases they supplied themselves on credit, were seized and carried off under the powers of a bill of sale, the existence of which they did

not suspect. So difficult is it to interfere successfully, or foresee the consequences of interference

Under these circumstances the legislature, by an Act 45 & 46 Vict. ch 43, passed in the session of 1882, after full discussion before select committees of both Houses, has, besides restoring the operation of the "order and disposition" clauses of the Bankruptcy Act, provided that no bill of sale is to convey after-acquired goods, and that no bill of sale is to be given for any sum less than £30. It will be interesting to see whether these provisions prove to be effectual in protecting helpless persons, and in preventing fraudulent transactions, whether they will be found to be open to evasion, and whether they will hamper legitimate transactions.

CHAPTER VII

THE STATE SETTLES THE TERMS IN WHICH CONTRACTS
SHALL BE MADE; AND DETERMINES, STAMPS, AND
ISSUES THE MEDIUM OF EXCHANGE

A FURTHER function of the state is to settle the terms in which trading transactions are carried on. It does this in two ways. First, it prescribes certain measures of weight and size in which the quantities of articles sold are to be described, and it gives the means of ascertaining that these measures are accurate. Secondly, it both determines, and stamps and issues, the money in which the value of all goods bought and sold is measured, and by means which, as a medium, they are exchanged. The utility of this function is obvious. In the simplest and rudest form of trading, one article would be exchanged against another, without any description or definition except such as would arise out of the direct impression made by the particular articles on the senses of the two parties. An apronful of corn would be exchanged against an armful of meat, or against a hewn tree or, stone; but there would be nothing by which the quantities of any of these articles could be known, or by which, in the

absence of the articles themselves, any of the parties could tell what he was giving or getting. Nor would there be any common measure of value to which each could be referred. The person possessing the corn, and wanting meat, wood, or stone, must wait until he could find a person possessing the requisite piece of meat, or of wood, or stone, and at the same time wanting corn, and then the two parties must come together and compare their respective articles by the use of their unassisted senses.

Contrast this with the sale by the butcher of so many pounds of beef at so many pence a pound, the purchase by the miller of so many bushels of wheat at so many shillings a bushel, or by the builder of so many feet of timber at so many pence a foot. The facilities of dealing in the latter case as compared with the former are obvious. But these facilities would be impossible if we did not know accurately and universally what was meant by a pound, and by a foot, and by a bushel, and by a shilling, and by a penny. And in order that they may be accurately and universally known, they must be determined in such a way that all persons must accept them, and this can only be done by the authority of the state. It has therefore been admitted in all civilised societies that the state must determine measures of weight, size, and value.

The following passages are an excellent illustration of the way in which barter of actual commodities becomes a commercial exchange with a common measure of value. They are extracted from a chapter in Butler's *Great Lone Land*, giving a vivid picture of the scene at one of the Hudson's Bay Company's settlements when the Red Indians come to exchange their skins and furs.

and pemmican, for blankets and beads, guns and ammunition. He says (p. 283) :—

“ Money values are entirely unknown in these trades. The values of articles are computed by ‘skins’; for instance, a horse will be reckoned at sixty skins, and these sixty skins will be given thus: a gun, fifteen skins, a capote, ten skins, a blanket, ten skins; ball and powder, ten skins, tobacco, fifteen skins, total sixty skins. The Bull Ermine, or the Four Bears, or the Red Daybreak, or whatever may be the brave’s name, hands over the horse and gets in return a blanket, a gun, a capote, ball and powder, and tobacco. The term ‘skin’ is a very old one in the fur trade, the original standard, the beaver skin—or as it was called ‘the made beaver’—was the medium of exchange, and every other skin and article of trade was graduated upon the scale of the beaver, thus a beaver or a skin was reckoned equivalent to one mink skin, one marten was equal to two skins, one black fox twenty skins, and so on in the same manner, a blanket, a capote, a gun, or a kettle, had their different values in skins.”

Then, after describing the scene in which the dealing takes place, he goes on.—

“ Sometimes when the stock of pemmican or robes is small, the braves object to see their ‘pile’ go for a little parcel of tea or sugar. The steelyard and weighing balance are their especial objects of dislike. ‘What for you put on one side tea or sugar, and on the other a little bit of iron?’ they say, ‘we don’t know what that medicine is. But look here, put on one side of that thing that swings a bag of pemmican, and put on the other side blankets and tea and sugar, and then when the two sides stop swinging, you take the bag of pemmican and we will take the blankets and the tea; that would be fair, for one side will be as big as the other.’ This is a very bright idea on the part of the

Four Bears, and elicits universal satisfaction all round. Four Bears and his brethren are however a little bit put out of conceit when the trader observes, 'Well, let it be as you say. We will make the balance swing level between the bag of pemmican and the blankets; but we will carry out the idea still further. You will put your marten skins, and your otter and fisher skins on one side, I will put against them on the other my blankets and my gun and ball and powder, then when both sides are level you will take the ball and powder and the blankets, and I will take the marten and the rest of the fine furs.' This proposition throws a new light upon the question of weighing machines and steelyards, and after some little deliberation it is resolved to abide by the old plan of letting the white trader decide the weight himself in his own way, for it is clear that the steelyard is a great medicine which no brave can understand, and which can only be manipulated by a white medicine-man."

Weights and Measures.—These are now determined under the authority of the Weights and Measures Act (1878, 41 and 42 Vict chap. 49). In France, when they adopted their convenient decimal system, they endeavoured to found their ultimate standard on a natural and unconventional basis by taking as their metre a fraction of the circumference of the earth, and they deduced all other weights and measures from it, using a decimal system of division and multiplication. But as a matter of fact any such natural basis is impracticable, all ultimate standards must be arbitrary; and the French metre is only a particular piece of metal duly marked, which is kept in Paris. The ultimate English standards consist of a bronze bar on which a yard is marked, and of a platinum pound weight, kept in the Standards depart-

ment of the Board of Trade. These are called the imperial standards. From this yard and pound four exact copies have been made, of which one is kept at the Mint, one at the Royal Society, one at the Observatory at Greenwich, and one is immured in the wall of the Houses of Parliament. These are called the parliamentary standards. Other copies of the yard and pound have been made from these, and are kept as practical standards for daily use at the Board of Trade. From these two original measures, the yard and the pound, all other legal weights and measures, whether they denote weight, length, area, or capacity, are derived by combination, multiplication and division. Standards of all such physical weights and measures as are used in trade are made and kept at the Board of Trade, and new ones are added from time to time as the wants of trade alter. They are kept in an office in Palace Yard which was formerly part of the Old Palace at Westminster, and which is not inappropriately devoted to what has from time immemorial been a royal function.

From these Board of Trade standards of ordinary weights and measures, further copies are made for local use by the authorities of towns and counties, and these local standards are from time to time verified by comparison with the Board of Trade standards. Inspectors are appointed by the local authorities for their respective districts, and it is their business to see that the weights and measures used in trade are truthful and accurate, and for this purpose to compare them with the local standards.

Every dealing in any article which is sold by weight or measure must be made in one of the legalised standards. Every publication of the prices of any such

articles must be in the like terms, and no weight or measure is allowed to be kept for use in trade which does not correspond in denomination with one of the legalised Board of Trade standards

I have said above that the universal knowledge and use of weights and measures within the country is an essential condition of their value, and a reason for giving to the state the power of determining them. Under the present circumstances of international trade this is not sufficient, and a demand is arising for an international system of weights and measures. Most countries in Europe are adopting the French metric system. In this country the only step we have taken in this direction is to allow persons to make use of the terms of the metric system in making contracts. But we do not allow any physical metric weights and measures to be kept for use in trade. A merchant may contract to sell cloth or cotton by the metre instead of by the yard, but he may not keep a metre in his shop or warehouse by which to measure it. This is absurd and illogical enough. But so long as we retain our own system, with the great variety of actual weights and measures founded on the pound and yard which the necessities of trade require, it would probably lead to great confusion and even to fraud, were we to add to the multitude of actual legal weights and measures now in use the further number which would be necessary in order to give practical effect to the metric system. So long as our system differs from that of our neighbours we are in a dilemma. Upon the difficulty of changing our system it is unnecessary to dilate

Gold and Silver Money.—But the state not only

determines the terms in which the size and weight of articles sold shall be described, it also stamps and issues money, and in so doing both determines the terms in which their value must be stated, which, when so stated, we know as price, and supplies, though not at its own cost, the medium by means of which they are bought and sold.

The following is the definition of money given in Lord Liverpool's *Coins of the Realm*, and of the metals of which it is made

"The money or coin of a country is the standard measure by which the value of all things bought and sold is regulated and ascertained, and it is itself, at the same time, the value, or equivalent, for which goods are exchanged, and in which contracts are generally made payable. In this last respect, money, as a measure, differs from all others, and to the combination of the two qualities before defined, which constitute the essence of money, the principal difficulties that attend it in speculation and practice, both as a measure and an equivalent, are to be ascribed. These two qualities can never be brought perfectly to unite and agree, for if money were a measure alone, and made, like all other measures, of a material of little or no value, it would not answer the purpose of an equivalent. And if it is made in order to answer the purpose of an equivalent, of a material of value, subject to frequent variations, according to the price at which such material sells at the market, it fails on that account in the quality of a standard or measure, and will not continue to be perfectly uniform and at all times the same. Civilised nations have generally adopted gold and silver as the material of their money because these metals are costly and difficult to procure, little subject to variation in value, durable, divisible, and easily stamped or marked."

Of the coins used in our currency the pound is the real standard of value, and gold sovereigns are the only coin which is legal tender for debts exceeding forty shillings. The gold sovereign consists of a certain fixed fraction of an ounce of pure gold with a certain quantity of alloy. The essential function of the Mint consists in seeing that its weight and purity are what the law requires, and in stamping and issuing it so that it may be known everywhere as certified by the Government to possess these qualities. Beyond this the Government does nothing to determine its value, which is simply the value of that quantity of gold in the open market. We often hear the *Mint price* of gold spoken of, which is fixed by law at £3 17*s* 10*d*. an ounce, and this is apt to be confusing, since what we call "prices" generally vary with supply and demand. But by the *Mint price* of gold is only meant the quantity of sovereigns and fractions of a sovereign into which the Mint divides the gold which is brought to it for coinage, and it is important to remember that by the shillings and pence which form part of the *Mint price* are meant, not given quantities of silver or bronze, but the fractions of a gold sovereign which are known by these names. The *Mint price* of an ounce of gold thus means simply that an ounce in weight of gold is divided into three whole sovereigns and $\frac{1}{20}$ ths, and $\frac{1}{40}$ ths, and $\frac{1}{80}$ th of a gold sovereign.

But we could not be sure that the gold sovereign would be of the value of the gold contained in it if the Government had the power to increase or diminish the quantity of sovereigns coined at their own discretion, and thus to determine what quantity of currency the people shall use. It is therefore made incumbent on

the Mint to coin all the gold which is brought to it for coinage, or which comes to the same thing, to give for all the gold which is brought to it an equivalent quantity of gold coins. The quantity of coins in circulation must therefore depend entirely on the demand for them, and not on the action of the Government. If more coins are needed, gold is brought to the Mint and turned into coins. If fewer coins are needed, existing sovereigns are melted down and exported or otherwise used. The value of the coin must therefore be that of the gold used in making it, with nothing added but the value of the Government certificate of its weight and purity. It is this self-acting character of the Mint which is the great safeguard of the coinage. If it were in the power of the Government to refuse to coin, they would be able to restrict the coinage, and to add to its exchangeable value. If they were able to alter the quantity and purity of the metal contained in the sovereign, they would be able to depreciate its value, as has in former times often been done. In either case they would be able to derange markets and alter existing contracts which are made in terms of the pound. The self-acting character of the Mint operations reduces the function of the state in issuing money to that of a verifier of weights and measures.

With regard to the silver coinage the case is different. It is not a legal tender for more than 40s.; the value of the coin measured in gold is rather more than the value of the metal it contains. The Mint price of silver is 5s. 6d. an ounce, in other words, for an ounce of pure silver the Mint gives 66d., but the price of silver in the market is now about 52d. an ounce, so

that the value of the shilling is considerably more than the market value of the silver of which it consists

The silver coins are not therefore a standard of value at all, they are a token coinage, only used for small transactions, and when a silver coin is spoken of as denoting the price of any article, what is meant by it is the fraction of the gold sovereign to which it corresponds. If we say that mutton is worth a shilling a pound, we mean that a pound of mutton is worth one-twentieth of a gold sovereign, if we say that wheat is 50s a quarter, we mean that a quarter of wheat is worth two gold sovereigns and a half. Under this system the action of the Government in respect of silver coins differs from its action in respect to gold coins. In the case of gold coins, the Mint is obliged to coin all the gold which is brought to it, or, which comes to the same thing, to give gold coins for it—in short, to turn all the gold brought to it into gold coins. In the case of silver it is not under any such obligation, but it is bound to make and give silver coin when demanded in return for gold coin, to give twenty shillings in silver for every gold sovereign presented to it

The supply of silver coins needed for the retail dealings of the country is easily effected through the banks. When they find that their customers want silver, they demand it through the Bank of England from the Mint, and pay for it in gold coin. They have no motive to ask for more than is really wanted by the country as silver currency, for the silver in the coins would be worth less if melted down for use in the arts or for exportation than it is worth as silver coin. The Mint buy the silver needed to make the required coin and make a profit by the difference between the market value

of the silver and the price in gold given for it. But as they only issue it in accordance with the demands made for it by the bankers, they have no power to flood the market with silver coins or to depreciate its value. Their function is therefore really automatic in respect of silver as well as gold, and their real business is to verify the quality and quantity of the silver and to make and stamp the coins accordingly.

In order that the Mint may perform its function of verifying the quality of the gold and silver used in coinage, there must be a standard of quality. This is found in certain plates of gold and silver—called the pyx—which are kept with other standards by the Board of Trade, and which are produced annually on the trial of the pyx, when a jury of the Goldsmiths' Company compare samples of the metal used by the Mint in coinage with the standard plates. These standard plates were formerly kept in a chapel opening into the cloisters of Westminster Abbey, called the Chapel of the Pyx, in which the king's treasures used to be stored, and on the door of which is still to be seen a trace of the skin of a malefactor flayed alive for trying to rob the king's treasury. The Board of Trade wished to hand this chapel over to the Dean and Chapter, within whose precincts it lies, but the late Dean Stanley characteristically refused to receive it on the ground that the retention of this interesting spot in the precincts of the Abbey by a department of the state which has to do with the regulation of trade was a symbolic link in the relations of the state to the Church.

What is true of silver is also generally true of the copper, or rather, the bronze, coinage. The metal

employed in the bronze coin is worth less than the fraction of the gold sovereign which it is used to express, and it is not a legal tender for more than 12d. The Mint issues it from time to time in different districts, and contracts the issue when it is found to be superabundant.

It will therefore be seen that gold is the sole ultimate measure of value in this country, and that its value as compared with other commodities is determined precisely in the same way as that of other commodities, viz., by supply and demand, in other words, it is the value which people will give for it. The sole function of the Government is to ascertain the quality and weight of the gold, and to give it a stamp denoting that quality and weight. Other coins are measured in gold, and do not pass according to their own intrinsic or market value; they are tokens, not articles of commerce. The function of the Government with respect to them is to supply any number for which the corresponding price in gold is given; to verify the quantity and quality of the metal they contain; and to stamp them accordingly.

Bimetallism.—As the question of bimetallism has been much discussed of late, it may be well to mention what is the meaning of it. It is obvious that the selection of gold as the standard of value is arbitrary. Most nations have selected either gold or silver as their standard of value, and as the material for their principal coins, because, as above noticed, these metals are scarce, and therefore possess a high value; are easily divisible, are readily stamped and marked, and are comparatively indestructible. Some nations have preferred gold, some have preferred silver, some have taken both. England, after many years' trial of both,

has now for a century and more adopted gold as the sole standard of value, and it has done so because it was found, that when both gold and silver were standards of value, and when both could be coined to an unlimited extent, people preferred to pay their debts in the metal which was for the time the cheaper, and the dearer metal was exported. At that time there was no arrangement between nations for a common system of coinage or common measure of value nor was any such arrangement thought of as possible.

The bimetallists say that such a system is now possible, and that many nations, especially those which have silver as a standard of value, would be only too glad to join England in a system which would fix the relative values of gold and silver, and make both metals equally the standard of value and the materials of coinage. They appear to argue that the value of the precious metals depends on the demand for them; that the principal demand for them is for purposes of currency; and that governments can therefore, in adopting them as currency, do for them what they cannot do for other articles, viz.—create and regulate the demand and fix their relative value. The advantages they propose from bimetallism are as follows—First, that if we could have the two precious metals as standards of value instead of one, the fluctuations of each would be neutralised, and the standard of value would be on the whole steadier than it is now. Secondly, that the scarcity and consequent rise in the value of gold, which under present circumstances there is too much reason to apprehend, would be prevented if silver could be brought to the aid of gold. Thirdly, that the trade between gold-using countries and silver-using coun-

tries would be made much easier if they had a common standard of value, and if the fluctuations of value between silver and gold could be eliminated. The monometallists, on the other hand, urge the following arguments.—First, that the suggested arrangement between the nations is probably impracticable, and if made, could not be relied on. Secondly, that if such an arrangement could be made, it would at this time be suicidal in England, which possesses an immense store of gold, and to which large debts in gold are now owing, to depreciate the value of her property and claims by a measure which must raise the present low value of silver as compared with gold. Thirdly, and principally, that it would be impossible by any artificial law, municipal or international, to tie together gold and silver so that the value of the one measured by the other should never fluctuate. The great merit of our present monometallic system of coinage, they say, is, that it is automatic, that there is in it nothing arbitrary, nothing which depends on the action of governments, that the value of gold is a matter of supply and demand, and that upon this value the whole system is based, whereas under the bimetallic system an attempt is made to fix an arbitrary relation between the values of two metals which have no natural dependence on or connection with each other. Value, they say further, depends on the two factors of demand and supply, and admitting that governments may, in adopting one or both of the metals as currency, have some control over the demand, the control they thus possess is very incomplete and imperfect, whilst they have no control at all over the supply. The monometallists urge in addition that the apprehended dangers of the monometallic system and advan-

tages of the bimetallic system are chimerical or exaggerated; that a rise in the value of gold, if it takes place, or a fall in the value of silver, will cause no such change or inconvenience as is apprehended, and that the inconveniences to trade arising from the use of two different metals and from fluctuations in their value, are as nothing compared with the inconveniences arising from other causes of fluctuation, such as the use of paper money, or the constantly recurring changes in the supply and demand of articles of commerce, inconveniences, to which trade must always be subject, and in spite of which it flourishes. Under these circumstances, say the monometallists, it would be madness to change a system which has worked well, and is in accordance with the theory on which our coinage is based; and as they have in addition to their arguments, the advantage of possession, it is not likely at present, at any rate, that the advocates of bimetallism will make much way in this country.

Paper Money—A written or printed promise to pay, issued by a banker and payable on demand, will, if people trust the banker, perform many of the functions of money. It is circulated like the coins which it promises, and is received in payment of debts. Such paper money, as it is called, has been the subject of endless controversy. Whether it should be issued by any one except the state or the agents of the state; what should be the lowest sum for which it should be given, whether it should in any case be inconvertible, *i.e.*, whether any such paper should be allowed to circulate for which the holder has not the right at any moment to claim payment in coin; and whether con-

vertibility is a sufficient security against depreciation, and also against excessive issue, are questions, some of which are still unsettled. But all reasonable people are satisfied that no such paper money ought to be inconvertible. To substitute for hard coin paper promises to pay, is a mode of raising money to which nations in difficulties are not unfrequently driven. But, like all other attempts to make something out of nothing by operation of law, such a step is sure to cause loss, confusion, and inconvenience; and all nations retrace it, often at considerable loss, as soon as they can afford to do so. It is also, I think, generally admitted, at least in England, that the issue of paper money, especially if it is made a legal tender for the payment of debts, is a proper function of the state, and that if any profit is made by the issue it is a profit which should belong to the state.

In England the issue of notes by bankers was long since limited, in order to preserve the monopoly of the Bank of England, and since 1821, the lowest sum for which notes can be issued, whether by the Bank of England or others, has been limited to £5. This limitation does not however extend to Scotland or Ireland. The bank note circulation is now governed by Sir R. Peel's celebrated Act of 1844, 7 & 8 Vict. chap. 32.¹ The principle on which these Acts were founded is that paper money should only be issued by the state or the agents of the state; that paper money should not only be convertible, but that it should vary in quantity in the same manner and proportions as the metal which it represents; and that for this purpose paper money should only be issued against actual bullion lying in the

¹ For the Scotch and Irish Acts, see 8 and 9 Vict. chaps 37, 38.

hands of the issuer. Out of regard for existing facts and interests this theory was not strictly applied. Existing private bankers were allowed to continue their previous amount of issues, but their notes are not legal tender. The banking department and the issue department of the Bank of England were separated. The Bank of England, in consideration of a debt due from the Government to the Bank, were authorised to issue notes to the extent of £14,000,000, since somewhat increased. This amount was taken as an amount below which the paper in circulation, had never, even in times of panic, been known to be reduced. Beyond this the Bank must, for every note they issue, have gold or silver bullion in their coffers. They are bound to give notes for all gold brought to them, paying for it £3 17*s* 9*d*. an ounce, instead of the Mint price of £3 17*s*. 10½*d*, so as to remunerate them for the expense of the issue; and they are bound to pay the notes in full whenever presented. Their notes are legal tender everywhere except at their own counters.

The effect of this limitation of the paper currency on commercial dealings has been the subject of endless controversy, and the Act has three times been suspended, once in the crisis of 1847, once in that of 1857, and once again in 1866. On all three occasions the issue department of the Bank placed at the disposal of the banking department £2,000,000 of notes against the same sum in consols, though on two occasions the banking department did not find it necessary actually to use any of the excessive issue. On all those occasions the suspension was successful in allaying panic. What has happened before will no doubt happen again. If a commercial panic should recur in which people are

willing to trust Bank of England notes when they will trust no other form of credit, Bank of England notes will be created to meet the emergency, even if they operate only as a cordial, and not as solid food

But the controversy on the principles of the Act of 1844 has now slackened. Most economists, I believe, now think that whatever importance is to be attached to bank notes, and to their effect on prices and speculation, and whether the principle of the Act of 1844 is sound or not, and whether the whole operation is beneficial or not, the most effectual way of maintaining a proper reserve of coin, and of checking an efflux of gold which might lead to insecurity and panic, is to be found in raising the rate of interest for loans of money in due time, and in keeping that rate at a proper amount. How far the Bank of England, which at one time was able to control the rate of interest, and whose action is still looked upon as indicating what the rate of interest actually is, or is likely to be, or ought to be, will, in the face of its numerous competitors, be able to perform this useful function satisfactorily; and, if it proves to be unable to do so, what organisation should be substituted, are questions of much interest. They are not entirely foreign to the subject of this treatise, but are too speculative and too difficult to be discussed here.

Demand for Currency—This chapter is not complete without pointing out the effect of growing population and business on the demand for currency. On the one hand, the enormous increase of purchases and of hired services tends to raise the demand for, and consequently to increase the value of, gold and silver. On the other hand, the ingenuity of modern trade is constantly

devising new substitutes for cash. Transfers of book credits ; bills of exchange ; cheques ; telegraphic transfers , transfers of stocks and securities ; all the various expedients for which our banking system affords facilities ; render the use of cash almost unnecessary except in small and retail transactions, and thus check the increased demand for gold and silver coin which would otherwise materially derange our standards of value

CHAPTER VIII

ACTION OF THE STATE WITH RESPECT TO MONOPOLIES AND PRICE

I HAVE shown that the state takes a part in every trade transaction by compelling the parties to it to perform their bargains, that it interferes farther to limit this compulsion and to put an end to the bargains in certain cases; that it also prescribes the terms in which they shall be made. But having done this, the broad principle acted on in this country is that the state should leave the parties to themselves. It does not confine the sale of any article to any particular person, nor does it attempt to fix prices. On the contrary, it carefully avoids any attempt to create monopolies, and regards prices and values as matters which can only be regulated by demand and supply.

This was not always so, nor is it so now in all foreign civilised countries. In former times there was an assize which fixed the price of bread and ale in England. The price of bread is or can still be fixed by law in France: and in many countries the governments still possess the monopoly of certain articles, such as salt, tobacco, and opium.

In former times the government of this country also

claimed and exercised the right of restricting buying and selling, by granting to particular persons monopolies of the sale of particular articles. The abuse of these grants reached such a pitch in the reign of Queen Elizabeth as to raise great difficulties between the Crown and the House of Commons, till the Queen, alive to the danger of the situation, withdrew the most obnoxious of her grants. In the reign of her successor an Act was passed (21 James I. chap. 3) declaring all such monopolies to be void, except patents for new inventions. Since that time neither the Government nor Parliament has ever attempted itself to exercise, or to give to other persons by law, an exclusive right of producing or selling anything, except in the case of patents, and of the somewhat similar case of copyright, to which further reference is made below.

In abstaining from granting monopolies the state has also in general abstained from interfering with prices. In the case of labour there are some exceptions to this general rule of abstention on the part of the state. Cab fares, watermen's fares, and pilotage rates, are determined by law, even when the service is not a monopoly, on the ground of simple convenience. The advantages which might arise from the free competition of the open market are not sufficient to counterbalance the annoyance of standing in the street haggling with a cabman, or the grievance of outrageous demands by a local pilot on an ignorant and helpless stranger. But except in such cases as these, and of the special cases mentioned in Chapter X. where circumstances make monopoly inevitable, and where the consumer must consequently be protected against it, I am not aware of any case in which the state prescribes or interferes with the

price of an article sold in the ordinary course of trade. Supply and demand are left to determine values and prices. Competition between sellers, and the self-interest of buyers, insures a supply on reasonable terms.

But there are, as I have said, exceptions, and I proceed to consider them.

In two of these instances, those namely of patents and of copyrights, monopolies (I use the word in no invidious sense) are purposely created by the state. In the third instance, that namely of certain joint-stock undertakings, the monopoly is an accident arising not out of the intention of the Legislature, but out of the circumstances of the case.

CHAPTER IX

PATENTS AND COPYRIGHT

Patents —In the case of patents, the right of granting an exclusive right of manufacture and sale was expressly reserved to the crown by the statute 21 James I chap 3, which put an end to all other monopolies

The prohibition of monopoly which is the main object of the statute is not, under s 6, to extend to “any letters patent for fourteen years and under, for the sole working and making of new manufactures to the true and first inventor, so that they be not contrary to law nor mischievous to the State by raising prices of commodities, or hurt of trade, or generally inconvenient.” The mode of exercising the prerogative of granting patents is now regulated by various statutes, the principal of which is an Act of 1852 (15 and 16 Vict. chap. 83). Under these statutes the first term of fourteen years may in special cases be extended by the Privy Council for a term not exceeding fourteen years beyond the termination of the original patent.

There has been much controversy in recent years upon the principle of the patent law Many eminent persons have held, that in the present state of science and manufactures, an exclusive right to make and sell any

new invention and improvement operates as a clog to progress ; that in each manufacture it is well known at any given moment what are the improvements most needed , that hundreds of busy brains are at work to supply them , that it is a mere chance whether one person or another is the first in the field ; and that to give to A to-day an exclusive right for fourteen years to a thing which B would have discovered to-morrow, is unjust They say further that continuous improvement in some large and important machine or process which is being made by the manufacturer, may be impeded or stopped, if a patentee has got exclusive possession of a single step or feature which is an essential, though only a small, part of the whole machine or process, and which the manufacturer, possibly himself ignorant of the patent, may never think of patenting himself

On the other hand, no less eminent men say, that without patents there would not be sufficient stimulus to invention , they say further, that without patents there would be no sufficient motive for capitalists to take up and work a new invention, which is apt to be disliked, because it breaks in upon the practice of the trade, and renders old plant and old habits useless So important, say they, is this consideration, that if a new invention were thrown out into the street for anybody to pick up and use, it would be worth the while of the public to pick it up and make it the exclusive property of some one person in order to induce him to make the effort necessary to bring it into use. They say farther that self-interest will always induce a patentee to spread the use of his patent as much as possible, and that, as a matter of fact, no improvements are really found to be hampered or prevented by the existing law,

It would be interesting in the face of these conflicting arguments to see the patent law tested in some one critical and important case ; such, for instance, as that of the electric light. If there should be the litigation which has been threatened on this subject, and if it should prove that some important invention, such as the incandescent carbon lamp, is the exclusive property of some one of the speculative companies who are now competing wildly for the market, it will put the existing law to a severe test.

But whichever of these two arguments is the better, there is no doubt that at the present moment the argument which supports patents is the one which is in favour with the public ; and the improvements which are demanded in the patent law, and which will no doubt be effected, are, greater simplicity, and smaller fees. Many would be glad to add greater security, by requiring the state to guarantee, when it grants the patent, either the utility, or the novelty, of the invention, or both , and thus to anticipate and prevent subsequent litigation on these points before a court of law, which, they say, is not so constituted as to possess any adequate knowledge of technical and scientific subjects. This however appears to be more than any government could possibly undertake to do ; and the result of attempting any such step would probably be to mislead inventors, to select the wrong inventions, to reject what would be useful, and generally to hamper invention and trade. No government officials can be competent judges either of the value of an invention, or, which is often equally difficult to determine, of its novelty.

They who do not go this length wish to see the

tribunals which try patent cases improved by the addition of technical and scientific elements!

It should be added that the patent law only extends to the United Kingdom. Each British colony has its own separate patent law, and there is at present no international arrangement on the subject of patents.

Copyright, or the exclusive right to make and sell copies, is now a creation of statutes, the effects of which will be found in Sir J. FitzJames Stephen's Digest attached to the report of the recent Copyright Commission.¹ Speaking generally, it is a right given by the state to authors and artists to prevent other persons during a certain fixed period from making copies and repetitions of their works, so as to give to the authors and artists all the profit that can be made by the exclusive sale of the copies of their works during that period.

The controversies upon this subject have been endless, and are not quite dead yet, one party claiming for the author an absolute, indefeasible, and perpetual right to control the reproduction or imitation of the products of his brain; the other party denying that any such right exists or ought to exist at all. I have attempted to sum up these arguments in an article in the *Fortnightly Review* for December, 1878, and will not repeat them here. The state has in this, as in most other countries, cut the knot by giving the author the exclusive right of reproduction for a certain limited period. In England as regards books, it is either forty-two years from publication, or the life of the author and seven years afterwards, whichever is the longest.

With most European countries copyright treaties have been made under which our authors possess in those

¹ See Parl. Paper, c. 2036, 1878

countries, and the authors of those countries possess in our country, the same privileges in respect of copyright as the native authors possess. In making these treaties, English authors, or rather perhaps we should say, English copyright owners, have been allowed to retain as against their own books published with their own consent abroad, the same privilege of exclusion from this country which they possessed when all foreign editions were piracies. The result is, so far as I know, perfectly anomalous and unexampled in any other kind of trade. The manufacturer of an English article of trade—for in this connection we must look on a book as a manufacture—is allowed to have, not only the exclusive production of his article, but two or more separate exclusive rights of production in different places, and to prevent what he produces himself at one place from being sold in another place. He is allowed to publish a cheap edition for the foreign market, and to keep that cheap edition out of the English market, which is reserved for the dear edition of the English publisher. If I go abroad I may buy English books published with the consent of the English author by M. Tauchnitz and others at a very moderate price; but I am liable to be treated as a criminal if I bring these books back into my own country. "Cheap English books abroad, dear English books at home," is the motto and result of this system.

But the foreign European market for English books is a comparative trifle. The really serious questions for English authors, and, I may add, indirectly, for English readers also, are those of copyright in the English Colonies and in the United States. Our English copyright law extends in name to the whole of the empire, but it has never been practically enforced in the English-

speaking colonies. Those colonies have always refused to take expensive English editions, and in one form or other have always had the benefit of cheap reprints. This has been much complained of, but it is not surprising that a colonist who can buy a cheap American reprint for a few cents, should decline to pay thirty-one shillings for a new novel, or sixteen shillings for an English octavo. There has consequently been a constant struggle, especially with Canada, which has resulted in the establishment of a separate copyright for English books in that colony, under a special law passed for the purpose. The English author can now, besides possessing his imperial copyright, *valeat quantum*, in Canada, obtain copyright in that country under a Canadian Act; and he can, as in the case of books which he publishes in a foreign European country, exclude from England the edition he publishes in Canada. The author and the Canadian reader get the benefit of the wider market and the cheaper prices, but the native Englishman is excluded from them.

Still more important is the market of the United States. That country has hitherto refused to enter into any copyright treaty at all. The great publishers of her eastern cities have up to a recent period had the market in their own hands, they have reprinted English books, giving such remuneration as they pleased to the author, and have by arrangement between themselves abstained from pirating from one another. But the Union grows rapidly, and with it the demand for, and the supply of books. Publishers have grown up in the western and southern cities who publish their own cheap editions of popular English books with as little regard to New York and Boston as New York and Boston have

hitherto paid to Paternoster Row. The consequence is that the great eastern publishers have recently found their interest in promoting some form of international copyright law by which they should, whilst retaining the privilege of re-manufacturing English books in America, be protected against western and southern piracies, and there has consequently been some talk of a copyright treaty on this basis. But this talk has come to nothing, as indeed was to be expected, since it left out of account the most important interest of all, viz that of the great American reading public.

It cannot be too often or too strongly urged that the great obstacle to all arrangements with our own colonies and with the United States, by which our authors might reap the full benefit of an extended market, is the high price at which first editions are published in this country. A standard octavo volume, which costs perhaps about 3*s. 4d.* in print, paper and binding,¹ is published at 16*s.* Till this practice of the trade is altered, English-speaking communities across the Atlantic will refuse to put themselves into the fetters of a copyright law. There are symptoms of better things. Many books, especially those having something of a scientific or educational character, are published, copyright or no copyright, at moderate prices on both sides the Atlantic, and cheap editions of popular works in this country are becoming earlier and more frequent. The time may come when a 16*s.* octavo, or a 31*s.* novel, may appear as much out of date as the quartos in which our fathers and grandfathers

¹ These were the figures, which, after careful inquiry, I laid before the Copyright Commission; and which, I believe, present a fair average of cost, though it is of course very different in different cases.

read their first editions of *Marmion* or of the *Decline and Fall*

6

In every other branch of English trade and manufacture, the principle which has led to such magnificent results both for manufacturer and consumer, is that of numerous dealings with small profits on each dealing, and there is no reason why the same principle should not be equally true and effective in the case of books. The English-speaking and reading community is enormous, and is growing as no other community grows. It ought to give to English authors such remuneration as literature has never yet received, and to readers lower prices than have ever yet been paid for books, and it must be the fault of bad laws or bad habits if this is not the case. In any future arrangements with our Colonies or with the United States, it is to be hoped that this great end may be kept in view, and that the different interests concerned, viz., the interests of authors, of publishers, and of the reading public in both countries, may all and each receive full and fair consideration, and that no one of these interests, least of all that of the readers in this country, may be sacrificed to the interest, real or supposed, of any other class. That they are really the same at bottom, and that the interests of all will be best consulted by the utmost possible freedom compatible with a copyright law, I fully believe

CHAPTER X

ACTION OF THE STATE IN THE MATTER OF CERTAIN UNDERTAKINGS WHICH ARE TOTAL OR PARTIAL MONOPOLIES

THERE is a large and constantly increasing class of industrial undertakings, possessing privileges which give them more or less the character of monopolies, and which thus call for special regulation by the state. It is a matter of speculative interest to ascertain what these undertakings are, and what are the characteristics which they possess in common, so that we may be able to recognise and define them. It is a matter of more practical interest to examine what steps have been taken by the state to regulate them, and with what success.

General Character of these Undertakings—It would be difficult and probably fruitless to attempt to determine the character of these undertakings *a priori* or by way of deduction. The more satisfactory plan is to take the several undertakings in detail, to ascertain their several characteristics, and then to examine the manner in which they have been dealt with.

The following is a tolerably complete list of these undertakings.—Harbours and natural navigations, canals, docks, lighthouses, roads, bridges and ferries,

railways, tramways, gasworks, waterworks, the post-office, and telegraphs

In some of these, *e.g.*, docks, railways, gasworks, and telegraphs, competition has been attempted, whilst others have been monopolies from their commencement

But in none of them has competition proved to be completely successful. It is of great importance that this point should be kept steadily in view, since it is only in those cases which competition cannot fully regulate, and so far as competition does not regulate them, that the need for special state interference is felt.

Is there, then, any general characteristic by which these undertakings, or others of a similar kind, may be recognised and distinguished from undertakings which are governed by the ordinary law of competition.

It is not *large capital*, for though most of them require large capital, some gas and water companies, which are complete monopolies, have capitals of not more than two or three thousand pounds; whilst other enterprises, with enormous capitals, *e.g.*, banks, insurance offices, shipping companies, are not monopolies.

It is not *positive law*, for few of them have a monopoly expressly granted or confirmed by law, and in most, if not all, of the cases where such a monopoly happens to have been so granted or confirmed, it would have existed without such grant or confirmation.

They all agree in *supplying necessities*. But this alone is no test, for butchers and bakers supply necessities.

Most, if not all, of them have *exclusive possession or occupation of certain peculiarly favourable portions of land*,—*e.g.*, docks, of the river-side; gas and water companies, of the streets. But this is only true in a limited sense of such undertakings as the post-office,

telegraphs, or even of roads and railways; and a mine, a quarry, or a fishery, has equally possession of specially favoured sites without generally or necessarily becoming a monopoly.

The article or convenience supplied by them is *local*, and cannot be dissevered from the possession or user of the land or premises occupied by the undertaking. The undertaking does not produce an article to be carried away and sold in a distant market, but a convenience in the use of the undertaking itself, as in the case of harbours, roads, railways, post-office, and telegraphs; or an article sold and used on the spot where it is produced, as in the case of gas and water.

Again, in most of these cases the convenience afforded or article produced is one which can be *increased almost indefinitely*, without proportionate increase of the original plant; so that to set up a rival scheme is an extravagant waste of capital.

There is also in some of these undertakings, and notoriously in the cases of the post-office, of telegraphs, and of railways, another consideration, viz., the paramount importance of *certainty and harmonious arrangement*. In the case of most industries—*e.g.* in that of a baker—it would be easier to know what to do if there were one instead of several to choose from, but this consideration is in such a case not paramount to considerations of cheapness. In the case of the post-office and telegraphs, certainty and harmony are the paramount considerations. The inconvenience would be extreme if we had to consider and choose the mode of conveyance every time a letter is despatched, or if a telegram sent from any one station could not be despatched to all other stations.

The following then appear to be the characteristics of undertakings which tend to become monopolies.—

1. What they supply is a necessary.
2. They occupy peculiarly favoured spots or lines of land.
3. The article or convenience they supply is used at the place where and in connection with the plant or machinery by which it is supplied.
4. This article or convenience can in general be largely, if not indefinitely increased, without proportionate increase in plant and capital.

5. Certainty and harmonious arrangement, which can only be attained by unity, are paramount considerations.

Mode of dealing with them—The above conclusions are neither as clear nor as complete as could be wished. And though interesting in a speculative point of view, they do not lead immediately to any important practical consequence. But the further question in what manner these undertakings are dealt with—in what manner—that is to say—the state endeavours to counteract the evils of monopoly or privilege, is a question of great practical interest, and one with which we are directly concerned here.

There are two great alternatives.

(1) Ownership and management by private enterprise and capital under regulation by the state.

(2) Ownership and management by Government, central or local.

In the former I include all cases in which those who undertake the work derive personal gain from capital which they invest in it, and in the latter all cases, whether of management by the central government, by

municipal bodies, by local boards, or by public trusts or commissions, generally elective, in which no private capital is invested, except by way of loan, and no profit made by individuals

Before entering in any detail upon the examination of these two alternatives, it will be interesting to see how they have been regarded by competent authorities in this country and in France respectively. The following are Mr. Mill's observations on this subject (*Political Economy*, vol. ii. chap. xi s. 11) :—

"The third exception which I shall notice to the doctrine that government cannot manage the affairs of individuals as well as the individuals themselves, has reference to the great class of cases in which the individuals can only manage the concern by delegated agency, and in which the so-called private management is, in point of fact, hardly better entitled to be called management by the persons interested, than administration by a public officer. Whatever, if left to spontaneous agency, can only be done by joint-stock associations, will often be as well, and sometimes better done, as far as the actual work is concerned, by the state. Government management is, indeed, proverbially jobbing, careless and ineffective, but so likewise has generally been joint-stock management. The directors of a joint-stock company, it is true, are always shareholders, but also the members of a government are invariably taxpayers; and in the case of directors, no more than in that of governments, is their proportional share of the benefits of good management, equal to the interest they may possibly have in mis-management, even without reckoning the interest of their case. It may be objected, that the shareholders, in their collective character, exercise a certain control over the directors, and have almost always full power to remove them from office. Practically, however, the difficulty of exercising

this power is found to be so great, that it is hardly ever exercised except in cases of such flagrantly unskillful, or, at least, unsuccessful management, as would generally produce the ejection from office of managers appointed by the government. Against the security afforded by meetings of shareholders, and by their individual inspection and inquiries, may be placed the greater publicity and more active discussion and comment, to be expected in free countries with regard to affairs in which the general government takes part. The defects, therefore, of government management, do not seem to be necessarily much greater, if necessarily greater at all, than those of management by joint-stock.

"The true reasons in favour of leaving to voluntary associations all such things as they are competent to perform, would exist in equal strength if it were certain that the work itself would be as well or better done by public officers. These reasons have been already pointed out: the mischief of overloading the chief functionaries of government with demands on their attention, and diverting them from duties which they alone can discharge, to objects which can be sufficiently well attained without them: the danger of unnecessarily swelling the direct power and indirect influence of government, and multiplying occasions of collisions between its agents and private citizens; and the still greater inexpediency of concentrating in a dominant bureaucracy, all the skill and experience in the management of large interests, and all the power of organised action, existing in the community a practice which keeps the citizens in a relation to the government like that of children to their guardians, and is a main cause of the inferior capacity for political life which has hitherto characterised the over governed countries of the Continent, whether with or without the forms of representative government.

"But although, for these reasons, most things which are likely to be even tolerably done by voluntary associations, should, generally speaking, be left to them, it does not follow that the manner in which those associ-

ations perform their work should be entirely uncontrolled by the government. There are many cases in which the agency, of whatever nature, by which a service is performed, is certain, from the nature of the case, to be virtually single, in which a practical monopoly, with all the power it confers of taxing the community, cannot be prevented from existing. I have already more than once adverted to the case of the gas and water companies, among which, though perfect freedom is allowed to competition, none really takes place, and practically they are found to be even more irresponsible and unapproachable by individual complaints than the government. There are the expenses without the advantages of plurality of agency, and the charge made for services which cannot be dispensed with, is, in substance, quite as much compulsory taxation as if imposed by law there are few householders who make any distinction between their 'water rate' and their other local taxes In the case of these particular services the reasons preponderate in favour of their being performed, like the paving and cleansing of the streets, not certainly by the general government of the state, but by the municipal authorities of the town, and the expense defrayed as even now it in fact is by a local rate But in the many analogous cases which it is best to resign to voluntary agency, the community needs some other security for the fit performance of the service than the interest of the managers ; and it is part of the government either to subject the business to reasonable conditions for the general advantage, or to retain such power over it that the profits of the monopoly may at least be obtained for the public This applies to the case of a road, a canal, or a railway. These are always, in a great degree, practical monopolies , and a government which concedes such monopoly unreservedly to a private company, does much the same thing as if it allowed an individual or an association to levy any tax they chose for their own benefit on all the malt produced in the country, or on all the cotton imported into it. To make the concession for a limited time is gene-

rally justifiable, on the principle which justifies patents for inventions, but the state should either reserve to itself a reversionary property in such public works, or should retain, and freely exercise, the right of fixing a maximum of fares and charges, and from time to time, varying that maximum. It is perhaps necessary to remark, that the state may be the proprietor of canals or railways without itself working them, and that they will almost always be better worked by means of a company renting the railway or canal for a limited period from the state."

The following is an extract from an article on monopolies in the French *Dictionnaire d'Économie Politique*. (Coquelin et Guillaumin, Paris, 1854, vol. ii., *art. Monopolies*, p. 224) —

"In France the initiative and direction of these works (*i.e.* harbours, internal navigations, roads, bridges, railways) belongs to the central authority, acting by means of a numerous and expensive body, the engineers of roads and bridges (*ingénieurs des ponts et chaussées*). Most of the great channels of communication are established at the cost of the public, according to the schemes or designs of these engineering officials; the schemes which are started independently of them are subjected to their control, and it scarcely ever happens that such schemes are accepted by the authorities against their advice. The result of this *régime* is, that in respect of works of this character the spirit of enterprise is wholly discouraged, and that scarcely anything is accomplished except at the instance and by the impulse of the body of official engineers, an impulse which, for reasons which we have given under the title 'Fonctionnaires,' is incomparably less powerful and less fertile than that of free industry. Thus, none of the great improvements in artificial channels of communication or in means of transport which have been intro-

duced within the last fifty years, have originated in France—macadamisation of roads, railroads, locomotives, suspension bridges, steamboats, &c, all are the work of the free and independent engineers of England or America. 'The monopoly of our official engineers is as little adapted to improve and utilise inventions as to start them. And although our country is one of those in which industry is most highly developed, and in which a multiplicity of the most perfect channels of communication—*e.g.*, of railways—is the most necessary, we have remained in this respect far behind the United States, England, Belgium, &c. A further result of the French system is that the channels of communication are distributed over the country without any real proportion to the wants of its several districts, and that their expense, instead of being supported, as in England, by tolls levied on those who use them, and in proportion to the use they make of them, falls, without reference to the service rendered, on all contributors alike."

It is obvious that the two writers have been influenced in the above observations by the different modes in which these enterprises have been developed in the two countries. The English philosopher has been struck by the evils arising from the English practice of granting unrestricted monopolies to private persons. The French writer, on the other hand, has been more alive to the want of enterprise which has followed upon the French practice of leaving such undertakings to be originated by government. The observations of both writers are undoubtedly just, each from his own point of view, and any consideration of the subject is imperfect which does not take both elements into full consideration.

Shortly stated, the following are the arguments in

favour of government or public management, and they are no doubt extremely strong —

1 Joint-stock management, as Mr Mill points out, has by no means the advantages in energy and self-interest over public government which enterprises managed by individuals have

2. There is greater unity in management and certainty in use.

3 The public get the benefit of any profit, either in reduction of price or in relief of taxation, consequently the interests of the producers and consumers are the same, and there is not the same temptation either to excessive charges or to needless investment of capital, as there is in the case of joint-stock companies

On the other hand, we must not forget that if joint-stock companies have some of the disadvantages, they have also some of the advantages of government management. The chairman and officers of some of the great joint-stock companies have a pride in the well-doing of their undertaking similar to that of a public administrator, or a zealous town clerk. Again, government management is proverbially sluggish, and is open to parliamentary and municipal jobbing. It is also liable to be influenced by sentiment and impulse rather than by a cool consideration of the wants to be supplied, and thus is not unlikely to select wrong fields for its energy.

But a far more important argument against committing all these undertakings to government is, that capital will find its own way and do what is wanted, and government, whether general or local, will not

This is principally due to the activity which individuals display in seeking their own profit as compared

with the sluggishness of public governing bodies. To this action of individual interest special circumstances have in the course of the last and the present centuries largely contributed. The history of personal rights and property has, as Sir H.^o S. Maine tells us, been one of constant development, and in earlier periods of our history, the community, as compared with the individual, played a larger part than at present. Accordingly, the earliest of the undertakings we are speaking of, e.g., the maintenance and improvement of our natural harbours and navigations, and the oldest of our roads and bridges, were originally managed by public bodies. Towards the end of last century and the beginning of this, various circumstances contributed to effect a change. In public opinion, and in the eye of the law, the weight attached to personal rights had become greater. Political economy taught the superior energy of individual enterprise Capital accumulated and was seeking investment Our laws of partnership, too, were altered, so as to enable the capital of many individuals to be united for a single purpose. And, lastly, engineering science made gigantic strides, and opened out the way for industrial undertakings such as the world had never seen before. Hence, for the last hundred years, the current has set in the direction of private enterprise, and by this means the country has been supplied with necessities and conveniences which public management would never have afforded.

Of late there has been somewhat of a reaction, there is now a disposition to strengthen and improve local and municipal institutions, and to invest them with wider functions. It seems probable, too, that this

movement will increase. But it will be long before it does for us what private enterprise has done and is doing.

There are too, certain enterprises for which it is peculiarly unfitted, enterprises namely which involve scientific experiment, and which depend for their financial success upon the results of those experiments. Such enterprises are necessarily speculative, and it is undesirable for many obvious reasons that a Government, whether of a country or of a town should embark upon them. A government ought not to seek excessive profit, or run the risk of serious loss. A government is, from the nature of its organization, peculiarly unfitted to display the flexibility and the facility of resource necessary for successful experiments. The failure of a speculation in the hands of private persons is a mere private loss. The failure of a speculation in the hands of a government is an injury to its character. For these reasons it is not desirable that a government, whether general or local, should take upon itself any description of trade, manufacture, or service, until the process to be employed has been ascertained by experience, and until the financial success of the undertaking and the conditions under which it can be carried on are determined and known.

Whilst, however, private enterprise has done so much for us, it must be admitted that there has been little thought or foresight about the ultimate results of the huge monopolies we have been creating. The few conditions by which Parliament has sought to restrict them have often been useless, and, occasionally, worse than useless.

These general observations will be best illustrated

and supported by a glance at the history of the several undertakings to which we have referred.

1. *Harbours and Natural Navigations*—The improvement of these, were among the first of large public works. They originated before the era of joint-stock companies, and, with the exception of a few small harbours owned by large landowners, are, and always have been, in the hands of some public body, *i.e.*, either of a municipal corporation, or a public trust, or commission, and not of profit-making companies.

An evil of considerable magnitude has arisen in cases where the public body exercising this power is no longer the representative of the trade which uses the harbour, as for instance, where the town of Liverpool owned the Liverpool docks. In such cases the locality is too apt to tax the trade of the country for its own benefit. But even in cases such as these, the sea—the greatest of free traders—generally limits the growth of the evil. If taxes are too high at one port, ships can, in most cases, seek another.

2. *Canals*.—These were amongst the first products of the new engineering era, and have been, and now are, almost entirely in the hands of joint-stock companies. They have, however, been generally superseded or swallowed up by railways, and are now of comparatively little importance. But for this we should probably have heard many complaints of their profits and charges.

At the present moment there is a movement in their favour, and an attempt to set them up again as rivals to railways. For certain classes of goods where speed is of no importance they may yet be useful, and they have the advantage of being roads on which all

carriers can compete. But the total inadequacy of the existing canal system to the present traffic of the country, the difficulty of extending it, and the impossibility of carrying upon it with the speed which modern trade requires—not to mention the fact that half the existing canals are in the hands of railway companies—all render it impossible to look to the system of internal canals as more than a subsidiary mode of conveyance.

3 *Docks* were also an early product of the engineering era, and, consequently, they were often made in the first instance by private capital. From the limited area in each port available for docks, they are often, so far as the port itself is concerned, complete monopolies. But the sea, as we have said, is the greatest of free traders. The rivalry of other ports generally prevents any very bad effect from a dock monopoly, and rouses the trade of the port to put a stop to it when it becomes oppressive. Partly for this reason, and partly because it has been found that rivalry in the same port between competing dock and harbour authorities creates confusion, difficulty, quarrels and expense, whilst harmonious arrangement is of paramount importance to trade, the tendency for the last twenty years has been to hand over the management and construction of docks to local trusts representing the whole interests of the port and making no profit. Thus docks made by private companies at Sunderland, Liverpool, and Birkenhead, have been in late years handed over to public trusts, whilst at Newcastle and Shields, at Glasgow and Greenock, at Dundee, Leith, Belfast, and Aberdeen, and other ports, docks recently made have been constructed and are managed by public bodies representing the dock ratepayers.

4. *Lighthouses* have now, for some years, been made by the governments of all civilised countries. But in England, which was the first to build them, many of them were originally granted by the Crown to private persons with power to take tolls. and it is only since 1830 that the lighthouses so granted have been bought up and placed under public control. Even now the coasts of Turkey are lighted by a French joint-stock company, and there are complaints of its charges and of the profits it is said to be making.

On the proper mode of managing lighthouses there is little to be said. It is admitted on all hands that they must be in the hands of a central authority, and ought not to be a matter of profit to private persons. Whether they should be paid for in the shape of tolls on ships, or by the public exchequer, does not seem to be a question raising any important issue of economical principle. In both cases they are paid for more or less directly by the general consumer, in the one case, through the medium of freights—in the other, more directly by general taxation. The former plan has the practical advantage of affording a good test of the value of any proposed new works, in the willingness or unwillingness of the shipping interest, who are the immediate payers, to saddle themselves with the necessary tolls.

5 *Roads*—These were originally made by the local authority, *i.e.*, by the parish. But under the demand for channels of through communication to be used by wheeled vehicles, and with the engineering improvements of the last century, the system of turnpike trusts grew up, a system under which private capital was obtained in the shape of loans secured upon tolls, and

the management placed in the hands of a body of trustees, partly public, partly private. The tendency of late years has been to do away with this system—to improve highway boards—to place the whole of the roads under their management—to abolish turnpike tolls, and to pay expenses out of rates. The importance of turnpike trusts is diminishing yearly—partly for the above reason, partly on account of the transfer of through traffic to railways. The number of turnpike trusts, in England and Wales, according to the last published return,¹ was 248, their income £218,478, and their capital debt £581,080—a mere flea-bite compared with joint-stock company capital—and annually decreasing.

The mileage of roads in England and Wales maintained out of rates is 115,773; the income £1,929,310, and the expenditure £1,895,001.²

Under these circumstances the management of roads calls for no special observation. Turnpike tolls are a nuisance; but they are in a fair way to be abolished, and all the roads in the kingdom are likely soon to be in the hands of local authorities and supported by local rates. One effect of the change seems likely to be that the old turnpike roads or through channels of traffic will be less well kept up than they were under the old system, whilst the more local roads and cross roads, in which the local managers are interested, will be improved.

6. Bridges and Ferries.—These form part of roads, and have been similarly dealt with, except in certain special cases, such as the bridges over the Thames

¹ Parl Paper, C.—2966 of 1881

² Parl Paper, C.—3274 of 1882.

which, as we know, have been originally built by private enterprise on the security of tolls, and which are now gradually being bought up by public bodies. It is not likely that many more bridges will be constructed on this principle. But if they are, it is obviously desirable that the concession should be for a limited term, and that in no case should it be accompanied, as has too often been the case, with a prohibition to set up another bridge or ferry within a certain distance, which, of course, has the effect of conferring a strict legal monopoly.

7 *Railways*.—These have all been made since the setting in of the engineering and joint-stock era, and are in the hands of joint-stock companies. They are the great example, for good and for evil, of the joint-stock system. The subject of railways alone, if exhaustively treated, would far exceed the limits of this treatise. It is so important that I have made it the subject of a separate chapter,¹ and only refer to it here.

8. *Tramways*.—These are almost a comparatively new enterprise, and the legislature in dealing with this subject has had the benefit of the experience of the difficulties which have been felt in the case of railway and gas and water companies. By the General Tramways Act,² 1870, Parliament gave to the municipal authorities facilities for constructing tramways themselves, in priority to companies, and for charging the expenses on rates; whilst it also subjected the concessions which might be made to tramway companies to new and unprecedented conditions.

In the first place, the concession is not to be made to a company if the municipal authority chooses to under-

¹ See Chap XII

² 33 & 34 Vict c. 78.

take the work, and then only with the consent of the municipal authority, and under such conditions as it may impose. When the tramway is opened, if it is not so worked as to give the public the full benefit of it, licences to use it on payment of certain tolls may be granted to other persons by the Board of Trade. When the promoting company have had the use of the tramway for twenty-one years, the municipal authority may purchase it at the then actual value of the permanent plant, without any payment in respect of profits or compensation for compulsory sale, such value to be fixed by a Government referee.

According to the Parliamentary return for 1881¹ the total number of tramway undertakings authorised under this act is 122. The capital authorised is £10,906,575, the capital expended £6,939,285, and the number of miles open 488. The number of these undertakings made by municipal authorities is 24, with an authorised capital of £1,787,462 and an expended capital of £1,075,686. The number made by joint-stock companies is 98, with an authorised capital of £9,119,113, and an expended capital of £5,864,152. This shows how active private capital is in promoting new undertakings when compared with representative governing bodies.

9 *Gas-Works*.—The case of gas supply is peculiar, since gas manufacture has reached a high state of development and success, and the complete effect of the attempts Parliament has made to control the monopoly is better seen than in cases where profits are still small. In many cases the dividends have become so large that the public are painfully aware of the conflict of interest

¹ Parl. Paper, 404 of 1881.

between themselves and the shareholders , and, on the other hand, in certain large places, prudent municipalities have made a good thing for the ratepayers out of the supply of gas.

There is one case—viz., Manchester—in which the gas-works have been originally established by the municipality, and there may be others. There are many cases in which works originally established by a company have been subsequently bought by the municipality, and these cases are on the increase , but how few they are, in comparison to the cases of gas-works still owned by companies, may be seen from the following figures. The total number of gas companies in England and Wales, according to the Parliamentary return¹ of 1881, is 336, with an aggregate authorised capital of about £41,500,000. In the metropolis there are four gas companies, with a capital of £13,000,000². Besides these, there are a certain number of public gas works in the hands of private persons , and against this number of private enterprises there are 136 cases in which the municipal authority is the owner of the gas-works.

The history of gas supply is so instructive that it is worth while to give some details concerning it. When gas was first introduced the manufacture was a novelty and a risk , and even now it is an expensive thing to establish gas-works where the population is small and scattered. But the manufacture improves, and costs less and less in proportion to the supply as it gets larger , whilst, as population grows, there is an increased demand. Consequently, prices which are just when the concern begins become too large after a few years, and

Parl Paper 315 of 1881

Parl Paper 259 of 1882

then begins a struggle between the consumers and the companies. In London an attempt was made to meet this by competition; and for some years the streets were pulled up by rival companies endeavouring to outbid each other. This was found to be such a nuisance that London was "districted" between the companies by Act of Parliament, thus giving each of them a legal monopoly. The districts allotted to the several companies were determined, not so much by the wants of the town as by the circumstances of the companies, and the consequence is that there has been until lately an extravagant division and distribution of manufacture and supply. Amalgamation has however been encouraged by recent legislation, and in London there are, or shortly will be, only two great companies, one north and the other south of the Thames.

Under the General Act of 1847,¹ there are no provisions for testing the power and quality of gas supplied to the consumer; those contained in the London Act of 1860,² proved ineffectual, and more effectual provisions were introduced, by the Act of 1868,³ and subsequent Acts. This is a matter in which the difficulty is of a technical rather than of a financial or economical character, and the attempts to meet it have been attended with some success. This is more than can be said of most of the attempts which have been made to control price. Until recently the main, and almost the only, condition on which the legislature has relied for preventing the public from being placed at the mercy of the gas companies was its favourite panacea of limiting profits. It was provided by the General Act

¹ 10 & 11 Vict. cap. 15.

² 23 & 24 Vict. cap. 125 ³ 31 & 32 Vict. cap. 125.

concerning gas companies that each company was to be satisfied with a 10 per cent. dividend, besides making up past dividends to 10 per cent., and setting aside a reserve fund to secure future dividends at the same rate, and that if any company divided more than this amount of profit, a court of justice might reduce the price of gas to such an amount as would bring down their profits to the above limit.

Now, in the first place, to suppose that any court of justice can constitute itself a judge of the price which will produce a certain profit and no more, is absurd, and the more elaborate provisions of some of the recent London gas acts, which entrusted this delicate operation to more competent hands, have proved a failure also. No Government Department, or scientific commission appointed by Government, can undertake to say to a manufacturer, "At such and such a price you can manufacture an article which shall produce you exactly 10 per cent dividend—no more, and no less." To do this requires all the knowledge, skill, and constant experience of the manufacturer himself, and no one but himself can tell what capital he needs, what expenses he must incur, and what economies he can practise.

But further, the principle of limitation of dividend is in itself faulty. So long as the charge is not too high, the public have no interest in the reduction of dividend. Their interest is in the reduction of price, which is a totally different thing. If the consumer can get his gas at 2s. instead of 4s. per 1000 cubic feet, he is not the less benefited if the shareholder at the same time gets 20 per cent. instead of 10 per cent. The fallacy lies in supposing that what is taken from the shareholder necessarily goes into the pocket of the consumer.

It does no such thing, it is probably wasted in staff and other easy extravagances, which the company have no motive whatever for reducing. Indeed one of the worst consequences of the system is, that it takes away from the manufacturer (who it is to be remembered is a monopolist) his last and only incentive to improvement and economy. It leads not only to extravagance in current expenses, but to an extravagant waste of capital. The shareholder having an easy and safe 10 per cent on his original shares, is naturally anxious to invest more money on so good a security, and is only too glad if he can find an excuse for a further outlay. Parliament, it is true, gives now only 7 per cent. on fresh capital, and pretends to ascertain by investigation before a select committee whether more capital is wanted. This, again, is a question which neither a committee nor a department of government can satisfactorily determine. No one but the manufacturer himself can say with any certainty how much capital he needs; and Parliament, pressed by the argument that, if the company is not allowed to invest more capital the town will not be lighted, cannot help giving to a company the power of investing large sums which might well be spared, and the interest of which becomes a totally unnecessary charge on consumers of gas.

In fact, in this Parliamentary limitation of dividend and capital we have gone on a perfectly wrong tack and have involved ourselves in a maze of absurdities. Coupled with the statutory price of gas, it really operates as a guarantee to the companies of an easy 10 per cent. dividend.

But Parliament was not content with this encouragement to extravagance. In its anxiety to regulate the

internal financial concerns of the companies, which they were perfectly able to manage for themselves, it required them to offer all new capital to the existing shareholders at par. As the capital with a safe 10 per cent. dividend was worth twice its nominal amount, this was in effect giving to the shareholders out of the pockets of the consumers £200 for each £100 of new capital which they provided, and of course operated as an inducement to them to spend as much new capital as possible. It is scarcely possible that State interference could have been more mischievous.

These abuses have to some extent been modified, if not put an end to, by recent legislation. As regards profits, a sliding scale of price and dividend has been adopted, under which, starting from a given point of price and dividend, the gas companies are enabled for every penny per thousand feet by which they reduce the price of gas, to add a quarter per cent to their dividend, so as to divide any additional profit they may make between the companies and their consumers. This plan not only gives the consumer a share in increased profits, but also gives the companies a motive for economy. It has been adopted in London and in many other towns.

As regards capital, gas companies coming to Parliament for power to raise money are required to put up to auction all the fresh capital they require, so that any premium upon the shares goes into the plant and stock of the company, and not into the pockets of the shareholders.

Both of these provisions seem to have worked well. The sliding scale is adopted in fifty-two, the auction clauses in 104, places. Both are adopted in London.

As I have already stated, a still more complete solution of the gas difficulty has been found in several large towns, where the town councils have either made or purchased the gas-works. In Manchester, where they have for many years owned the gas-works, the result is, that after supplying good gas at a cheap rate they have, and have long had, a surplus of from £40,000 to £50,000 a year, with which they have effected all the recent numerous and expensive improvements in the town, besides paying a large part of the cost of their still more expensive water-works. In the twenty years ending with 1870 they had, after paying the current expenses of gas manufacture and supply, made more than a million of surplus profits. This mode of dealing with the question has received countenance from recent general legislation. By the Public Health Act urban authorities are authorised to supply gas, though only in places where there is no existing gas company.

10. *Electric Lighting* —On this subject it is too early yet to speak of results. But some important principles have been established by the Act passed last session (45 & 46 Vict. ch 56). It has been determined by that Act that gas companies have no monopoly and no priority in respect of light, but only in respect of gas, and it is evident that the competition to which they are now exposed is already producing its effects in the improvement of gas. It has further been determined that municipalities shall have the priority in providing electricity if they choose to do it themselves; that they shall have a veto on the seven years' licences which the Board of Trade are enabled, with their consent, to grant to private companies, and that when they refuse their assent, concessions to companies can only be made by

provisional order of the Board of Trade confirmed by Parliament. A still more important provision is one (s. 27), which, following the precedent of the Tramways Act, provides that after twenty-one years the local authority of the district may purchase the undertaking compulsorily on the terms of paying to the company the then value of all land, buildings, and plant, belonging to the company, at their then market value, having regard to their condition and their suitability to the purpose of the undertaking, but without any addition for compulsory purchase, goodwill, or future profits.

This is a case in which the enterprise is still of a speculative and experimental character; and therefore, if the remarks made in an earlier part of this chapter are sound, it is not one which it is desirable for municipal governments to take into their own hands or to manipulate themselves. If they do so, they run the risk of discrediting both the enterprise itself and the character of local government. Whether they become in form the undertakers, and then employ private companies to undertake the speculation under their control, or allow private companies to become the undertakers themselves, it is pretty certain that the real pioneering must be done by private capital, and that the governing bodies of the towns will not become the manufacturers of electricity till the process is better understood than it is now. In making arrangements with the companies the final interest of the public will in any case be protected by the ultimate power to buy up the monopoly, and it is to the interest of the public that the companies should make a fair profit in the meantime. Indeed the existence of gas, and the competition with it, is of itself

sufficient to prevent for the present any excessive and exorbitant price being demanded for electric lighting.

11 *Water Supply*—In many respects this is like gas supply. But water differs in being even more necessary, in being more difficult to procure, and in requiring greater outlay, with less profit, as the demand increases. The supply also requires greater precautions to prevent waste—precautions which it is difficult to intrust to a private company. Under these circumstances, recently established water companies, though not unprofitable, have been less profitable than gas companies, and their differences with the consumer have related to deficiency and impurity in the supply as much as to price. Probably none of them, certainly none of the London companies, pay 10 per cent on recent investments.

Under these circumstances, the number of municipalities which have supplied themselves with water is greater than in the case of gas. The number of water companies in the United Kingdom, exclusive of London, as given in the published list some years since was about 120, with a capital of between £7,000,000, and £8,000,000. In London there are eight companies with a capital of more than £12,000,000. On the other hand, there are many undertakings in the hands of municipal authorities; and these are to be found in many of the largest towns, e.g., Liverpool, Manchester, and Glasgow.

The regulations to which Parliament has subjected water companies¹ are almost the same as in the case of gas.

As regards limitation of profits, the conditions are

precisely the same ; but their ultimate effect is not so well seen, because the limit has seldom been reached.

It is needless to refer to the well-known case of the London water companies and the attempt to purchase them. It is a good illustration of the evil of an unlimited concession of a monopoly of a necessary of life to a private company, and of the difficulty of retracing false steps.

In this case, still more than in that of gas, it is important for the health of the people that the supply should be in the hands of a body which can have no motive for restricting it, which does not seek profit from it, which can enforce rules for preventing waste, and which can draw upon other funds, if the expense of supply is large.

Parliament has consequently by the Public Health Act, 1875, given to local authorities ample powers to supply water to the inhabitants of their district, not only when there is no water company, but where the supply by an existing company is improper or insufficient.

12. *Post-Office and Telegraphs.*—This, which is a most striking instance of a trading government monopoly, is so important that I have made it the subject of a separate chapter.¹

Conclusions.—From the above notice of these several undertakings, we may draw the following conclusions of fact :—

(1.) That in an earlier state of society, the undertakings of which we are speaking were generally established and maintained by some public governing body, whether of the country generally, of the districts or interests concerned

¹ See Chap. XI

(2.) That at a later period private capital and enterprise came to the assistance of Government, and did, and still do, what Government never could or would have done

(3.) That at a later period still, the evils arising from placing these undertakings, which must be to some extent monopolies, in the hands of private companies, has been felt ; and that there is a tendency again to place many of them in the hands of some public body—central or local.

(4.) That whilst harbours, natural navigations, many docks, roads, and bridges, a few gas-works, some water-works, the post-office, and telegraphs, are now in the hands of the State or of local governing bodies, many docks, all railways, most tramways, and most gas and water-works, are in the hands of private companies ; and further, that the capital invested in these private undertakings amounts probably to £1,000,000,000.

(5.) That there are many points in which the interests of these companies are at variance with those of the public , and that the conditions which the state has imposed on them for the purpose of preventing their monopoly from being injurious to the public are still tentative ; that these remedies have often proved inadequate, and sometimes mischievous ; and that whilst it is right and necessary to impose some restrictions on them, yet without great caution and wisdom such restrictions are likely to be injurious to the public as well as to the companies.

(6.) That the endeavour to get local authorities to undertake these works themselves, and where concessions are made to private companies to limit them in point of time, as has been done in the case of tramways

and electric lighting, though as yet experimental only, is a hopeful experiment.

The above considerations are economical. There is one other consideration of great importance, but of importance in a political rather than in an economical point of view, viz., the effect which would be produced on the political morals of the country, of a town, or of a district, if the patronage and other opportunities for jobbing involved in the management of large public works were placed in the hands of its governing body. Some evils might thus arise. But most, if not all, of the services in question will be rendered to the public, and in public, and every defect in the service will be promptly noticed and complained of. There is nothing like plenty of work and full publicity for preventing jobbery and keeping administration sound and pure. On the other hand, also, there is a serious political evil to be apprehended from the growing influence of the great joint-stock company interest in Parliament and in local governing boards. This evil is, if report speaks truth, a very serious one in America. In this country it is as yet not much felt, except in the combined resistance which the companies make to any alteration of the law which affects themselves. But the success and ability with which they can do this is, considering the ever-widening sphere of their operations, a great evil in itself, and if they should ever turn their powerful organisation to a political purpose, it would become a national calamity.

Other Cases of Government Supply—The above are not the only cases in which the State, as represented by local public bodies, has undertaken to supply commodities which are generally left to private enterprise.

By a variety of acts passed within the last thirty years municipal authorities are enabled under various conditions and restrictions to provide libraries and museums, markets, slaughter-houses, baths and work-houses, and even in some cases dwelling-houses for artisans and labourers. It is therefore on the whole clear that if it ever was a principle of English legislation that governing bodies are not to become makers or sellers of commodities, that principle must now be adopted with large reservations. Where profit can be made sufficient to tempt private capital to embark in the business, and where competition can be relied on to prevent the evils of monopoly, it is as true as ever that the public is best served by keeping the trade in private hands, but where these conditions are not to be found, and where the matter is of such a kind that a public governing body can properly manage it, experience and analogy show that there is no *a priori* or absolute objection to the state, whether in the form of the central government or of a local authority, acting as a trader itself.

CHAPTER XI

POST-OFFICE

THE Post-Office is the great instance of a trading operation done by the government for the public, and the success it has achieved is constantly appealed to by those who advocate the assumption by government of other trading operations.

*History*¹—There appears to have been nothing in the nature of a public post till the reign of Charles I. In that reign posts from London to the north, the east, and the west, were established under the charge of a Postmaster-General, and a monopoly of carrying letters was claimed by the Crown. This claim was at first disputed, but was afterwards confirmed by the House of Commons; and the enterprise of the Common Council of London, who in 1649 set up a mail post in opposition to that of the government, was promptly suppressed. At first the Postmaster-General was allowed to make what profit he could after paying the expenses, the charges for letters being fixed, afterwards the office was farmed, and it was not till the end of the eighteenth century that the practice of farming came entirely to an end. In 1683

¹ For a summary of the history of the Post-Office, see the first report of the Postmaster-General presented to Parliament in 1855.

a penny post for London was established by one Robert Murray, and assigned by him to one William Dockwra. It met with some success, and was seized by the government as an infringement of their monopoly. In the hands of the government it became the well-known twopenny post, which existed as a separate department of the Post-Office until 1854. The net revenue arising from the profits of the Post-Office, which in 1683 had been conferred on the Duke of York, was in 1685 settled on the King; and was then estimated to amount to £65,000 a year. In 1720 the cross posts of the country were farmed to one Ralph Allen of Bath, the original of Fielding's Squire Allworthy, who much improved them, and made a large fortune by the undertaking. In 1784 a further improvement was effected by sending the letters in well appointed mail coaches, instead of by the miscellaneous and untrustworthy messengers to whom they had been previously intrusted. This improvement was due to the suggestion of Mr. Palmer, of Bath, and to the sagacity of Mr Pitt, who overruled the opposition of the Post-Office. To Mr Palmer was committed the carrying out of his plan, which he did with great ability and with much success, so far as concerned the public interest. As regarded himself the success was not so great, for he seems to have been deprived by the government of a large part of the consideration which they had promised him. Various other improvements, including the carriage of the mails by railway, were from time to time made by the Post-Office authorities, and in 1840 the greatest improvement of all, viz the uniform "Penny Postage," was adopted on the suggestion of Sir Rowland Hill. The later history of the Post-Office is one of constant improvement, extension, and assumption of new

functions. The railway, the steamship, and the telegraph have come in aid of its operations, and it has not been slow to avail itself of these powerful auxiliaries. Its ubiquitous machinery has lent itself easily to simple money dealings, and it has thus been able to supplement the banks of the wealthy by acting as banker for the poor. The following is a brief outline of its present functions.

Carriage of Letters.—The details of this service will be found in the *Postal Guide* and in the reports of the Postmaster-General. Here it will be sufficient to refer to the reduction of charge; the extension of Post-Offices, the increase in collections and deliveries; the establishment of pillar posts, the establishment of letter-boxes in the postal vans on railways; the assimilation of postage and receipt stamps; the registration of letters, the institution of and improvements in post-cards, the newspaper and book-post; and the international postal union, which extends many of these benefits to communication with the rest of the world; as illustration of the continued activity of the department.

As an indication of the growth of this part of the business, it may be mentioned that in 1839, before the establishment of the penny post, the number of letters sent per head of the population was 3; in 1840, just after its introduction, 7, in 1872 it had become 28; and in 1882 it was 35.¹ The actual number of letters sent was, in 1850, 347,069,071, or 13 per head of population; in 1860, 560,002,000, or 19 per head; in 1870, 847,000,000, or 27 per head; in 1880, 1,176,423,600, or 34 per head; besides which in 1880 there were 122,884,000 postcards.

¹ See 28th Report of Postmaster-General (c, 3324, p 1).

The following figures from the postal statistics of foreign countries show that the people of England avail themselves of the public post more than twice as much as do the people of the most forward of foreign countries.—

	Letters sent.	Number per head of population.
United Kingdom	1,176,423,600	34
France	524,380,300	14
Germany	731,755,000	16
Holland	54,732,000	13
United States	878,468,700	17

Parcels Post.—This is a great development of the carrying functions of the Post-Office, and is important, not only on account of the immediate facilities which it will afford the public, but because it brings the postal system into much closer communication and harmony with the railway system of the country. The details of the plan are not yet in a sufficiently forward state to be made public, but it is obvious that they must render necessary a very large development both of carriage for the Post-Office by railway, and also of the subsidiary means of collection and distribution which the Post-Office now employs. The nearest railway station must become far more than ever the postal centre of the district, and the collection and delivery of 7lb parcels will overtask the powers of walking postmen.

The sanction of Parliament was given to this new development by the Act 45 and 46 Vict. ch. 74, and the

chief features of the scheme which it sanctions are as follows —

The rates of postage and weights of parcels are to be

For an Inland Parcel of a weight	Rate of postage
Not exceeding 1lb.	3d.
Exceeding 1lb and not exceeding 3lbs	6d.
Exceeding 3lbs and not exceeding 5lbs.	9d.
Exceeding 5lbs and not exceeding 7lbs	1s.

Power is reserved to make from time to time any alteration in these rates which the interest of the public may require

The Post-Office is to collect the parcels and to deliver them at the railway-station, and has power to send an officer in charge of them. The railway companies are to receive the parcels and to carry them by any train by which parcels are conveyed, and to provide means for sorting them in the train. The Postmaster-General is to hand over to the railway companies $\frac{11}{10}$ ths of his gross receipts from parcels, and this is to be paid to the Railway Clearing House and distributed by them amongst the railway companies in proportion to the receipts of the companies for parcel traffic. Provision is made for revision of the terms fixed by the act, and for referring disputes to arbitration.

Not only is no monopoly conferred on the Post-Office; but the rights of the companies to carry parcels on their own account is expressly reserved. The first

effect of the proposed arrangement has consequently been that some of the railway companies have themselves reduced their own charges for carrying parcels.

As soon as the Inland Parcels Post is established, it will be worked in connection with the International Parcels Post which is now in operation. This will enable parcels to be posted from any part of the United Kingdom to every other country in Europe except Russia, and to Egypt and Asiatic Turkey.

Telegraphs.—These were first established by private companies, and the government bought them up in 1870. The capital of the debt incurred for this purpose amounts to £10,880,571, and the interest upon it to £326,417.

There can be no doubt that the price thus paid was a heavy one. There have also been heavy charges for improvements and extensions of the service,¹ but the telegrams sent have increased from 9,850,177, or ·3 per head of the population in 1870, to 31,345,861, or ·9 per head in 1881; and the income, £1,630,000, is now equal to the expenditure, £1,366,000, with the addition of the interest on the debt incurred for purchase. The number of private messages is about three for each four persons in the United Kingdom, and the proportion of telegrams to letters is as 1 to 44. In France the proportion of telegrams to letters is as 1 to 29; in Belgium 1 to 24; in Holland 1 to 22, and in Switzerland 1 to 23. But the proportion of telegrams to population is greater in England than in any of these countries except Switzerland.

¹ See 28th Report of the Postmaster-General, and Parliamentary Papers 47 and 64 of 1882

*Telephones*¹—It has been decided upon appeal to the courts of law, that the Post-Office has the legal monopoly of this comparatively new means of communication, as well as of the Telegraphs. The Postmaster-General, however, has not thought it right to avail himself of this monopoly, either in order to exclude private enterprise, or to confer a monopoly on any one private agency. He has established, or is prepared to establish, telephonic communication by the Post-Office where it is found expedient to do so, whether there are already private agencies at work or not, and he has granted licenses, or is prepared to grant licenses, to private agencies, under conditions which may be regarded as giving adequate protection to the public and the department, without regard to the question whether telephonic communication is already established or not. In effect it would seem, from the action thus taken by the Postmaster-General, that there is to be no monopoly, at any rate until competition has been tried and it has been ascertained by experience what is the best mode of doing the business.

*Post-Office Savings Banks*¹—The Post-Office, having at every Post-Office throughout the country a local agency through which money can be received and paid, has undertaken the duty of banker for the poor. This part of its business commenced in 1861, and it has since rapidly increased. The number of accounts open was in 1865, 611,384, and the aggregate amount of capital £6,526,400, in 1870 the number of accounts was 1,183,153, and the capital £15,099,104; in 1875 the number of accounts was 1,777,103, and

¹ See 28th Report of Postmaster-General

the capital £25,187,345, and in 1881 the number of accounts was 2,607,612, and the capital £36,194,495 The Post-Office also invests for depositors in Government Stock, and the aggregate amount which had been so invested was, in 1881, £875,086

The operation of the Savings Banks has been facilitated since 1880 by the penny stamp savings scheme, enabling persons to invest in the Bank by placing twelve penny stamps on a given form and handing it in to any Post-Office as a deposit for a shilling An average of about £250 a day has been received by this means, and the effect is seen in the reduction of the average amount of deposit from £2 14s 5d. in 1880 to £2 in 1881, whilst the aggregate amount received has increased by more than a million.

Money Orders and Postal Orders.—The Post-Office also acts as a remitter of small sums of money. Money Orders are directions given by a postmaster at one place to a postmaster at another place to pay any sum of money not exceeding £10 to a particular person Postal Orders are general orders for the payment to any person to be named in the order of certain given sums ranging from 1/- to 20/-, and they can be cashed at any Post-Office. Money Orders have been in force since 1850, Postal Orders only since 1880 The Money Order system has been extended to the colonies and to most foreign countries. The Inland Money Orders were, in 1881, 14,880,821 in number, and £23,848,936 in amount, showing a decrease of upwards of a million and a half in number and nearly a million in amount as compared with 1880. But on the other hand the Postal Orders were 4,462,920 in number, and £2,006,917 in amount, thus showing that they have

to a considerable extent taken the place of Money Orders.¹

Insurance and Annuities—The Post-Office also offers facilities for insuring lives to a small amount, either by the payment of a lump sum or of an annual premium; and for the purchase of immediate or of deferred life annuities. But this part of the business has not hitherto proved a success. An endeavour is being now made to extend it by connecting it with the Savings Bank.

Revenue and Expenditure—The gross revenue of the Post Office in 1881 was £9,028,374, and the expenditure £5,927,899, showing a surplus of income of £3,100,475, from which, however, has to be deducted £326,417 as interest on the debt incurred for the purchase of telegraphs.

One interesting feature connected with the Post-Office is the successful employment of women in the office work. They now amount to 2,299, and the Postmaster-General states that their employment has been attended with so much advantage to the department that he proposes to add to the number.

General Observations.—There can be no doubt that the Post-Office is a striking instance of the way in which a service which is essentially a trading service can be performed by a department of the state. The Postmaster-General is a carrier, a transmitter of messages, a banker, and an investment broker. These functions his office discharges with more than average success, and with zealous attention to the growing wants of the nation.

But as this instance is often urged as one which justifies far more extended operations on the part of

¹ See 28th Report of Postmaster-General,

the state, such as the purchase and working of railways, it may be worth while to point out two or three special conditions and limitations which make the Post-Office service peculiar.

In the first place, the Post-Office has filled vacant gaps in business which private traders have not been willing or able to occupy. The carriage of letters was imperfectly performed, or not at all, when the Post-Office took it up ; and when it had been taken up by them, the first great improvements originated with persons outside of the office. The investment and remittance of very small sums of money was a business which private bankers did not find it worth while to undertake. The ubiquitous organisation of the Post-Office has rendered these operations possible and even profitable in its hands, while it was impossible or unprofitable when attempted partially or on a smaller scale.

In the second place, the Post-Office have not undertaken a business which requires either manufacture, or invention and speculation It has made use of existing and well-known agencies, where the only difficulty was one of organisation ; where there were no great experiments to be made ; where there was no risk of great losses ; and no hope of extraordinary gains It is a merit of the undertaking, regarded as an official institution, that there is very little of that speculative element in it which is the life-blood of commercial activity In the one case under the Post-Office where the undertaking is as yet experimental and speculative, viz that of telephones, the Postmaster-General has come to the conclusion that it is not wise to exclude private enterprise

Finally, the service, excellent as it is, has not avoided

one peril, which makes cautious statesmen unwilling to extend their industrial functions, viz. the difficulty of dealing with a large class of servants. No one who has watched the pressure which the services can bring to bear on government through the medium of members of Parliament, will undervalue this danger.

CHAPTER XII

RAILWAYS

THIS subject alone, if fully treated, would fill my whole space, and all I can do is to glance at a few salient points

Growth of Railways.—The development of railway communication in Great Britain has been such as no government management, however good, could possibly have produced. The number of lines, the number and speed of trains, and the general comfort and convenience of our railway system, are greater than can be found in any other country. The number of miles of railway open was 10,433 in 1860, and 18,175 in 1881. The tonnage of goods carried was 90,000,000 in 1860 and nearly 250,000,000 in 1881. The number of passengers carried, exclusive of season ticket holders, was 163,000,000 in 1860, and 626,030,000 in 1881. What is still more important as evidence of the service which the railways are rendering to the mass of the people, is that third-class passengers have increased from about 94,000,000 in 1860 to 523,000,000 in 1881. The capital, which was about £350,000,000 in 1860, was £745,500,000 in 1881, and the dividends had slightly increased. The danger rate, as shown by

the proportion of casualties to the amount of travelling, has sensibly diminished. What is still more important is, that the whole of this has been done by private capital and enterprise, unaided by government direction or by any grant of public money. The only thing which the legislature has given to the companies is the power to take land, and for this they have had to pay, directly or indirectly, an enormous price. On the other hand, they still remain subject to a passenger duty from which all other forms of locomotive enterprise are now free.

Legislation.—There has been constant legislation on the subject of railway traffic. Eight committees and commissioners have made long and elaborate reports, and there have been about forty general acts, besides the special acts of the different companies. The legislature has provided an elaborate code of laws for the protection of landowners, of road trustees, and of gas and water companies, and there are many enactments having the safety of passengers for their object, to which further reference will be made below. There have also been provisions of the most elaborate kind fixing the capital of the railway companies, their borrowing powers, and the financial arrangements of the shareholders *inter se*—matters which really concern themselves, and not the public. These matters, according to the principles of recent legislation concerning other joint-stock companies, are left to the partners themselves, and to the operation of the ordinary law of debtor and creditor, from which railway companies have been excluded.

As regards the commercial business of the railways, and the protection of the public from monopoly, the principal provisions are as follows :—

Limitation of Rates and Fares.—The charges on all railways are limited by their special acts. This limitation is in most cases inoperative, since the maximum rates fixed by the acts are in general considerably higher than the rates which the company find it their interest to charge. Indeed, it is obvious that, without power to revise the tolls periodically according to the altered circumstances of a railway, any attempt to fix them once for all by anticipation must be nugatory. As population, capital, trade, and manufacture increase, traffic increases also, and a charge which would have been moderate if levied on the small traffic which existed when the railway was made becomes exorbitant when multiplied by the increase of traffic. The interest of the companies in developing traffic, although it may under certain circumstances be an insufficient safeguard, is yet a better safeguard than any standard of tolls and charges fixed at the time when the company commences operations. Still, the parliamentary limit, which can always be revised when a company seeks fresh powers from Parliament, is an important security against possible extortion.

Limitation of Profits.—In some of the earlier private bills, Parliament adopted its favourite notion of limiting the profits of the company to a 10 per cent. dividend. And in 1844 an act¹ was passed enabling the Treasury, in the case of any railway constructed after the 1st of January 1845, upon the expiration of twenty-one years from the passing of its private act, and in the event of its profits for three years exceeding 10 per cent., to revise the tolls. The Treasury were in like manner, after twenty-one years, enabled to purchase the railway. But

¹ 7 & 8 Vict. ch. 85.

the power of revision of tolls was to be accompanied by a guarantee from the state of a constant 10 per cent. dividend ; and the purchase was only to be effected at the rate of twenty-five years' purchase of the actual annual profits, or, if they should be less than 10 per cent., at an additional price to be fixed by arbitration ; and neither revision nor purchase were to be effected without a special Act of Parliament.

How ineffectual any such limitation of profits would be, if exercised, we shall see in the case of gas companies. In the case of railway companies, a 10 per cent dividend is seldom, if ever, made.

Government Purchase—As regards the power of purchase, the conditions attached to it, viz. that the power should only apply to companies entirely made after 1844, that the price should be determined as above mentioned, and that the purchase should only be effected by a special Act of Parliament, reduce the power to little more than an unnecessary notice to the companies that the government might at some future time bring before Parliament a scheme for the purchase of railways. Nay, the companies actually procured in one of the recitals of the act in question a recognition of the very questionable principle that it was not the meaning of Parliament that companies should be exposed to competition with railways owned or conducted by government

Cheap Trains—Provisions were also made by Parliament¹ requiring companies to carry poor persons at what were then considered cheap rates, giving to the companies in return exemption in respect of these trains from passenger duty. Here, again, the impossibility of determining charges beforehand is well illustrated. It

¹ 1 & 2 Vict. ch. 98 ; 7 & 8 Vict. ch. 85.

has become the most profitable part of the business of many companies to carry third-class passengers at less than the parliamentary cheap fares, and the only result of the enactment is an exemption from general taxation, a constant dispute between the companies and the Chancellor of the Exchequer, and an inducement to the companies to disarrange their natural and beneficial traffic in order to get the benefit of the exemption

Carriage of Mails—It was not thought expedient¹ in making the concessions to the companies, to require from them in return any service in carrying the mails. The Post-Office can require them to carry mails and mail-guards, but for all such service it has to pay just as any private person would do. In the present state of things, in rural districts, where the station has superseded the old village and is the centre of communication for the country side, it is often desirable that the post-office as well as the telegraph should be there concentrated, and it seems desirable that the guards of all or any trains should take charge of and deliver letter-bags, as they do small parcels. However this may be, it is one of the merits of the new parcel-post that it will bring the railways and the post-office into closer connection

Forwarding Traffic—As regards intercommunication between different railways and joint arrangements for continuous traffic, the legislature in 1854² did provide that the companies should afford reasonable facilities for forwarding each other's traffic, but it rendered the enactment nugatory by placing the power of enforcing it in the hands of an ordinary court of justice.

¹ 1 & 2 Vict. c. 98; 7 & 8 Vict. c. 85.

² 17 & 18 Vict. c. 31.

Joint Committee of 1872.—The subsequent history and results of legislation concerning railway companies, considered in their commercial aspect, are fully given in the Report of the Joint Committee of the Lords and Commons on Railway Amalgamation in 1872.¹ Their conclusions are, in general terms, that the efforts of Parliament to prevent amalgamation and secure competition had failed ; that there is real and effective competition, especially in the carriage of heavy goods, through the medium of sea traffic ; that competition by canal cannot be relied on ; that there is real competition between railways themselves in the matter of facilities, but little in the matter of charges ; that where competition does not regulate charges the self-interest of the companies leads them to develop new and promising traffic, and to promote competition between distant seats of trade or manufacture by neutralising distances ; and that although in so doing they may be exposed to the charge of making some parts of their system pay for others, their action is probably advantageous to the public as well as themselves, that self-interest does not always lead them to make the lowest profitable charges, or to maintain water communications which are in their control, or to forward traffic by the shortest and best route, or to make or promote new lines ; and the general recommendations of the Committee are as follows :—

“ 1. Effectual competition by sea exists, and ought to be guarded by preventing railway companies from obtaining control over public harbours.

“ 2. Competition by river and canal exists to a partial and limited extent only, and many important links of canal navigation are in the hands of railway

¹ Rl Parl Paper 364, 1872.

companies whose interest it often is to depreciate them. It is important that an effort should be made to maintain the competition which now exists, and it is still more important, whether competition is maintained or not, that the capacities of inland navigation should be fully utilised and developed.

"3. Equal mileage rates are inexpedient.

"4 It is impracticable to establish any standard for the revision of rates and fares founded on cost and profit.

"5. There would be much difficulty, and little, if any, gain to the public in determining a maximum scale of 'terminal charges.'

"6 Immediate reduction of rates and fares, even when practicable, cannot be looked upon as permanently effectual.

"7. Periodical revision of rates and fares is impracticable without some standard of revision.

"8 Revision of rates and fares founded on a limitation of dividend to a fixed amount is undesirable in the interest of the public.

"9. Revision of rates and fares founded on a division of profit above a certain amount between the companies and the public in this country is attended with great, if not insuperable, difficulties

"10. A new and uniform classification of rates is desirable and practicable, and there should be power to alter the classification from time to time with consent of the commissioners mentioned below

"11. The companies ought to be compelled by exhibition of their books at every station to inform the public what rates they charge for goods to all stations to which they book, distinguishing between mileage and 'terminals,' and giving all special rates and contracts. If complaint is made that this condition is not properly complied with, the commissioners mentioned below should have power to enforce it

"12. If a *prima facie* case is made raising a suspicion that any company is charging unequally or

unfairly, contrary to the principles of the Railway and Canal Traffic Act, the commissioners should have power to call upon the company to state their reasons for such charges.

"13 There is serious difficulty in any general legislation on the subject of workmen's trains, but where they are proved to be needed, the obligation to run them may properly be imposed as a condition of amalgamation.

"14. Whilst on the one hand there may be amalgamations so large as to be objectionable, and whilst on the other there are cases in which amalgamation is obviously desirable, it is impossible to rearrange the railway map, or to determine by any general scheme what amalgamations shall be allowed, and what shall not.

"15. In the event of branch railways being wanted and being refused by the existing companies, power should be given to local authorities to make them, or to guarantee the existing companies a moderate return on the necessary capital ; and on such guarantee being given, the companies should be bound to make and work the line. If differences should arise between the local authorities and the companies, they should be settled by the said commissioners.

"16. The Railway and Canal Traffic Act ought to be explained by enabling every railway company to make through rates and fares from or to any station on its own line, to or from any station on any other line, the rates to be divided as a general rule according to mileage after allowing for terminals ; but with a provision that if any objection be made to the proposed rate or division as unfair, and no agreement can be come to, the commissioners mentioned below shall, upon the application of any of the companies interested, decide the matters in dispute

"17. Running powers may usefully be given in certain cases, and the propriety of giving them should be carefully considered by the joint committee hereafter

mentioned. But it is not practicable or desirable to give to railway companies generally running powers over the lines of other companies, or to treat these powers as conditions to be imposed by general legislation. Differences as to running powers when given should be settled by the said commissioners.

"18. The administration of the Railway and Canal Traffic Act ought to be assigned to a special tribunal, possessing knowledge of railway management. Such a tribunal will be found in the railway commission mentioned below

* * * * *

"21. To perform the various duties referred to in this report, a special body should be constituted, entitled the Railway and Canal Commission, which should consist of not less than three members. They should be persons of high standing, of whom one should be an eminent lawyer, and one should be thoroughly acquainted with the details and practice of railway management."

These recommendations were acted on by the passing of the Regulation of Railways Acts 1873, (36 & 37 Vic. c. 48) and the appointment of commissioners under it with the powers recommended by the joint committee. The number of cases under it has not been large, and its decisions have often been defeated by appeal to the law courts in the form of a writ of prohibition. But there can be no doubt that the tendency of public opinion is in favour of strengthening the hands of the commission and the report of the recent Committee of the House of Commons in 1881 and 1882 makes explicit suggestions for that purpose. Upon other points the opinion of that committee was much divided, and it would be premature to attempt to say what the result is likely to be. One question which occupies a large part of

the discussions before the committee concerns the inequality of rates. When this inequality arises from caprice, or negligence, or partiality, it is clear that there ought to be a summary and stringent remedy. But when it arises from a desire on the part of the companies to meet competition, or to develop a growing traffic which would not otherwise exist, where, in short, it is due to the ordinary trading motives, it would be contrary to authority, to analogy, and to the best interests of the public, to put an end to it. To say to the companies that they shall not reduce their rates in favour of one customer unless they reduce them in favour of all, is to put an end to that competition and that desire of profit which is a far more effectual security for moderate rates than any legislative restriction of charges can possibly be.

Competition.—It is probable that the competition which really exists, especially for goods traffic, has been somewhat underrated. Living in an island, as we do, with seaports on every coast, there exists a virtual competition not only between the places which are themselves upon the sea, but also between all places which are accessible from the sea by different lines of rail. There is an intense competition for traffic to the midland counties between London, Liverpool, Hull, and other seaports, and the several railways which lead from them. There is a further form of competition, in the possibility of new lines, and such cases as the Hull and Barnsley Railway, recently authorised by Parliament, show that this form of competition has not entirely lost its power. These different forms of competition have been treated in a recent official report on the French railway system prepared

by M. Waddington, as reasons why French railway companies, which are not exposed to competition, give the public fewer advantages than English railways, and require a different treatment. It is to be hoped that we shall not sacrifice this advantage to any dreams of equalization of railway rates, dreams which when investigated are generally found to originate in the very natural and common but not the less mischievous desire for protection from trade competition

CHAPTER XIII

MERCHANT SHIPPING

MERCHANT shipping has already been mentioned as one of the greatest of our trading interests. Its enormous magnitude, its special importance to the nation, and the peculiarity of its character and circumstances, justify a separate chapter, for the purpose of showing how constant, how intimate, and how peculiar are the relations of the State to a merchant ship from the day when she becomes a ship to the day when she is broken up or abandoned. Under these relations are comprised, as stated above, not only the direct action of the executive, but the special laws and customs which govern this form of mercantile property.

Measurement and Registry.—When a ship is first built she is measured by a Government officer for her official tonnage. This measurement answers various purposes. It is the standard by which the ship is taxed for light, harbour, and dock dues. It denotes the size of the hull and its capacity for carrying cargo. Taken in connection with other particulars, it determines the identity of the ship. The present mode of measurement, which was due chiefly to the late Mr Moorsom, and which is embodied in the Merchant Shipping Act of 1854, is

founded on the principle of ascertaining the exact cubical capacity of the ship, and giving the results in tons, each of which contains 100 cubic feet,

It has given general satisfaction, and has been adopted by all foreign nations. But certain anomalies, arising out of questionable exemptions, originally introduced to meet the claims of particular interests, as well as out of new methods of construction, have arisen in the English law; and with the view of removing these anomalies a Royal Commission was recently appointed. The majority of this commission recorded their strong approval of the principle of the existing law, and made certain recommendations, which, if adopted, would have the effect of removing the existing anomalies, and of bringing English law into harmony with that of other nations. A small minority recommended the abandonment of the present principle of ascertaining the cubical contents of the hull, and the substitution of a principle long since discarded, viz., that of displacement. Any such change is really out of the question, both because it is not an improvement in itself on the present method, and because it is contrary to the practice of the world. But the action of the minority of the committee has had the effect of making the removal of defects in the existing law more difficult than it would otherwise be.

When the ship is measured, her name is entered in an official register book, kept at each port by the officers of customs, with a full description, and the name of the owner. An official copy of the entry on parchment, called the Certificate of Registry, is given to the owner of the ship, and always afterwards goes with her till she is broken up, or otherwise ceases to be a British ship. It is this document which identifies her and gives her the

right to carry the British flag. The name which is inscribed on it cannot be altered without official sanction. For the purpose of further identifying her and preventing the confusion which would arise from a number of ships with the same name, an official number is given her, which is entered in the register book and certificate of registry, and is also permanently marked on the ship herself. Her name, port of registry, and draft of water, are also marked under official inspection on the outside of the ship.

The register of the ship kept in the book at the Custom House constitutes the title to the ship. The name and address of each owner, with the number of shares belonging to him, is entered upon it, and any transfer or mortgage of the ship or shares is entered in the same book, whenever and wherever it occurs. No notice is taken of any trusts, and any innocent purchaser who takes a conveyance from the persons whose names are on the register has an absolute and indefeasible title. A copy of every entry made on the register at any port is sent every day to the Registrar-General of shipping in London, who is an officer of the Board of Trade, and there is thus in his books a complete and trustworthy record of the actual title of every British ship, and this record can be consulted on the payment of a trifling fee. In this way the State provides for the owners of merchant ships a complete system of title and conveyance, so that the transfer of a vessel worth £100,000 may be completed for a shilling.

The title of any British ship may be transferred from any port in the British Empire to any other, by a simple letter between the registrars at the two ports,

which is sent on application by the registered owner; and if an owner wishes to deal with his ship at a distance from her port of registry, he can get from the registrar an ambulatory form of registry which enables him to make a complete title to a distant purchaser.

When the ship is broken up, lost, or sold to a foreigner, a report has to be made to the registrar, the certificate of registry is given up to him, and the register is closed.

Officers and Crew—The officers of a merchant ship are required to pass examination in technical proficiency, and to produce evidence of character; they then receive certificates enabling them to act as masters, mates, and engineers.

The crews of ships which are employed on voyages beyond the river Elbe and Brest, are engaged in a public office before a public officer, and the terms of the engagement are read out and explained to the seamen. Elaborate provisions are made by the merchant Shipping Acts for preventing desertion and maintaining discipline; but in these, considerable alterations have recently been made. Desertion, and refusal to join after engagement, were formerly treated as criminal offences, and are still so treated by the laws of most nations. But, following the principles which have been adopted in the law governing other contracts of employment, Parliament has recently repealed the enactments which gave these criminal remedies, and refusal to perform a contract to serve at sea is now treated like other refusals to serve, as a breach of civil contract. The penalties for breaches of discipline by a seaman when he has joined his ship are retained intact. It cannot be denied that this change in a long-established

practice has been productive of some temporary inconvenience, and that desertions have increased within the last two years. But it is to be hoped and expected that this inconvenience will be but temporary, that the ultimate effect of the change will be to produce a better and more wholesome relation between owners and their crews; that the vicious practice of giving unnecessary advances of wages may come to an end; and that in lieu of this practice, with its demoralising temptations, and the arbitrary powers of imprisonment, on which shipowners have hitherto been led to rely for the manning of their ships, there may be substituted those inducements to voluntary service which are found effectual in other branches of employment.

When the ship has gone to sea the law still follows the crew; certain rights and duties are prescribed; provision is made for enforcing them by means of the consular staff and of the special naval courts, which can be summoned for the purpose in foreign ports. No men can be discharged abroad without provision for their restoration to their own country, and when the ship finally returns home to this country, the crew are discharged before a public officer, who sees that the men are duly paid their wages, and settles disputes. He also forwards money for the men to their wives and families, and in many of the larger ports sees that seamen who belong to some distant place are provided with immediate means of escaping from local temptations and returning to their homes.

For such seamen as choose to invest their earnings, a Seamen's Savings Bank is provided, into which men can pay, and from which they can draw at every port in the United Kingdom, in the same manner as from the Post-

Office Savings Banks, of which Seamen's Savings Banks were the forerunner.

Safety—For this purpose also the State follows the ship throughout her active employment "Passenger steamers and ships carrying large numbers of emigrants must be inspected by officers of the Board of Trade, and must be reported to be safe, and in the case of emigrant ships they must also be reported to be properly fitted, equipped, victualled, and manned.

The number of passengers is limited by the Board of Trade.

For the purpose of avoiding collision, all ships are required to carry certain lights, which are inspected by officers of the Board of Trade.

For the same purpose all ships are required, when they meet one another at sea, to obey certain rules; and these rules are matters not only of municipal but of international obligation.

All ships are also required to carry a certain number of boats

Passenger steamships are required to have properly adjusted compasses.

Special provisions are made with respect to grain cargoes and deck cargoes of wood.

Unsafe ships may be detained by the Board of Trade and its officers, subject to an appeal to a court of survey, and subject also to an action for damages, if in the opinion of a jury the detention has been wrong or improper.

The subject of unsafe ships has attracted much attention lately. The losses of life at sea are no doubt great, and much to be deplored, nor should any effort be spared which can make them less. There are some

bad ships : there are many overladen ships and, chief cause of loss, there is recklessness and overhaste in navigating ships. Nor are the relations of our seamen to their employers, or their own condition when thrown ashore amid the temptations of our seaports, what we could wish them to be. But to allege that shipowners as a rule are worse than other people, or that ships are worse and more unsafe than they formerly were, is a gross and unjust exaggeration. Our shipowners have not made themselves masters of the carrying trade of the world by building and sailing bad and unsafe ships, and the loss of life at sea, so far as can be ascertained, is, in proportion to our merchant navy and its work, not greater but less than it was in former years.

The operation of the measures which have recently been adopted by Parliament in order to secure further safety is extremely interesting. One of these remedies is administrative, viz. the power given to the Board of Trade to detain unseaworthy ships, a power which, since the Plimsoll agitation, has been exercised through the means of a large staff of local surveyors in most of the ports of the United Kingdom. Another remedy is judicial, viz liability to criminal prosecution for sending an unseaworthy ship to sea. The latter of these remedies has always been difficult, because with all the intermediate agencies which modern trade requires, it is seldom easy to bring home culpability or negligence to the owner, whose greed may notwithstanding have been the real cause of the unseaworthiness. But the criminal remedy has been rendered absolutely ineffectual by the administrative remedy. When a shipowner has been prosecuted for sending a ship to sea in a grossly

unseaworthy condition, and the fact has been distinctly proved, the answer has been that the Board of Trade might have stopped the ship, and did not do so; as if the Board of Trade and its officers were ubiquitous and omnipresent. But however this may be, the answer has been and will be accepted by judge and jury as conclusive in answer to a criminal charge; and the criminal remedy for culpable unseaworthiness is therefore one which can seldom, if ever, be enforced. Nor is the working of the administrative remedy satisfactory. Many unsafe ships are actually detained, and more are indirectly deterred from going to sea. But the appeal for damages which is given from a responsible department to a judge and jury, who do not perhaps know the stem from the stern of a ship, is an appeal from Philip sober to Philip drunk, and tends to cripple administrative action. On the other hand, to subject the shipowner to detention without appeal would be to subject him to possible official tyranny and caprice. Again, the power of detention in isolated cases involves much more extensive interference. When a particular ship is detained, say, for overloading, the shipowner retorts with much justice, "Why do you stop me when on the point of going to sea? Why not tell me beforehand what you require?" And this the Board of Trade cannot do without laying down fixed rules both as to load line and as to other matters, which would place the whole mercantile marine in official fetters. Such are the difficulties of interference, and they are as yet unsolved.

One cause of unseaworthiness, the most important perhaps of all, is the law and practice of marine insurance. A policy of insurance is in theory a contract of

indemnity. But the practice of the trade and the decisions of the judges have made it much more. A ship can be insured so that her loss shall be a certain gain to the shipowner, and the courts of law will enforce this liability against the underwriter. I have seen a letter from a shipowner regretting that a certain ship was not lost ; and I have heard a shipowner complain that he had been specially unlucky because an old ship of his had been lost on her first voyage after he had sold her, whereas if she had been lost whilst she belonged to him, he would have realised enough from the insurance to enable him to buy a good, new, modern ship ! In such cases the shipowner may not purposely lose his ship, but it is idle to suppose that he will take the same care of her as if he were not insured, or insured only to a moderate amount. The evil is one which it is not easy to cure It is very difficult to interfere with improper contracts of insurance without interfering mischievously with innocent and proper contracts. Further, it is not the interest of any traders as a class to prevent over-insurance. The underwriters, as a class, profit by it ; and though the individual underwriter who has to pay for a loss suffers, and is often not unwilling to contest a bad case, the law, which countenances over-insurance, does not enable him to resist payment unless he can prove actual fraud to the satisfaction of a jury ; and this he can seldom do, not only from the inherent difficulty of obtaining evidence, but because he comes into court in the character of a man who, having made a bargain by which he turns out to be a loser, is trying to escape from it. In the excitement caused by the Plimsoll agitation the Government did make an effort to amend the law of insurance. A bill was introduced for this purpose at the beginning

of the session of 1876. But other business intervened and the bill was no more heard of

Lighthouses, Harbours, and Pilots —The State provides these adjuncts to safe navigation, although the money by which they are supported is raised by dues levied upon the ships which use them General lights and seamarks are managed by the Trinity House and by the Scotch and Irish Lighthouse Boards, under a certain control by the Board of Trade; and local lights, harbours, and pilots are managed by local bodies, generally representative in character

Wrecks and Casualties.—When a ship is lost on our own coasts careful provision is made for the purpose of rendering assistance and saving life, both by means of life boats, which belong to and are managed by a charitable association, and by means of the rocket apparatus, which is worked by the coastguard and by voluntary brigades under the direction of the Board of Trade. The coastguard also act as police in protecting wrecked property, and the officers of customs acting as receivers of wreck take charge of such property and restore it to the owners

Provision is also made for inquiries into the causes of wrecks. A preliminary inquiry is first made in all cases by the officers of the Board of Trade; and in more important cases a public investigation is subsequently held in judicial form before the wreck commissioner or before two justices, aided by professional assessors In cases of culpable default by the masters or officers, these courts have power to cancel or suspend their certificates. The reports of all these investigations are made public.

Maritime Law.—The executive government thus follows a ship throughout her career, from her first

construction to her final destruction. But in addition to this constant intervention of the executive, the state supplies a code of special rules, in respect of collision, liability for damage, salvage, insurance, and bottomry, &c., not to mention maritime prize and capture, which constitute a large and special branch of the general law; which owe their existence to the necessities of shipping, and many of which have the peculiarity that they are international as well as municipal.

General Observations.—Under these circumstances it is interesting to see how large a part the state plays in respect of this great national interest. The motive power, the energy, the invention, the skill, the courage, to which it owes its success, are those of individual Englishmen. Nor are they in any way protected by the state from the most severe competition. But the state watches over, helps, fosters, restricts and regulates a British merchant vessel from the day when her materials assume the form of a ship to the day when they finally lose that form, both by official regulation and by a system of peculiar law. Whatever be the result of these different actions of the state, one thing is quite certain; viz that the aggregate effect of all of them has not been to destroy the prosperity of this great interest, or to prevent a development unexampled in the history of the world. The shipping of the United Kingdom has increased from 3,397,000 tons of sailing ships and 168,000 tons of steamships in 1850 to 3,851,000 tons of sailing ships and 2,723,000 tons of steamships in 1880, and there is a considerable further increase in 1881. Taking one ton of steam tonnage to be equal to four tons of sailing tonnage, the tonnage of the United Kingdom was 42 per cent of the known

oversea tonnage of all the maritime countries of the world in 1860, and 55 per cent. in 1880. No foreign country, least of all our former rival, the United States, comes any where near us. The current expenditure on our ships and the income we derive from them are enormous. The fixed capital employed in our shipping is probably about £110,000,000, but the annual outgoings on shipping, which constitute an invisible export, and which give employment to an immense amount of English labour, probably amount to more than one-half of that sum ; whilst the income from our shipping, which returns to us in the shape of imports, is not less than and probably more than £60,000,000 a year.¹ From these facts I should draw two conclusions , first, that this great interest has on the whole benefited and not suffered by the action of the state , and, secondly, that, considering the magnitude of this interest, and its successful development, it is one of which the nation may well be proud, and in dealing with which hasty and ill-considered measures are much to be deprecated.

¹ See Mr. Giffen's paper on the use of import and export statistics in the *Journal of the Statistical Society* for June, 1882.

CHAPTER XIV

ACTION OF THE STATE WITH RESPECT TO FOREIGN TRADE; ABANDONMENT OF PROTECTION AND DISCRIMINATIVE DUTIES

AMONG the various actions of the state which are intended to increase and foster trade, there is one form of interference which in this country we have ceased to practice, it is to be hoped, for ever; I mean protection of home against foreign industries. Whether in the older form of prohibition, or in the newer form of differential duties, we have abandoned the attempt to promote our own industries by preventing our people from buying the produce of the industries of other nations. The subject is old and worn, but considering the protectionist doctrines which still hold their ground in other countries, and the recent attempt to revive similar opinions in our own, it is worth while to state once more as shortly as possible what are the grounds of our present action, or rather inaction, in this matter.

In the first place, as even protectionists admit, to keep out anything which is made better and cheaper abroad than at home, makes those of our industry,

who want that article pay more for it and get less of it, or get it of worse quality, than they would do if allowed to buy the foreign article To keep out American corn or French silk makes people in England wh^c want corn or silk pay more for these articles and get them in less quantity and of worse quality The importance of this to us, who import one-third of our food, and are every year importing more and more of it, and of whose total imports, amounting to more than £400,000,000, ninety per cent. are either food or materials for our manufactures, is obvious, and it might be sufficient to leave the matter here. We are not likely to starve our working population or to ruin our manufactures. But this is only a part of the evil of protection, and does not go to the root of the question.

Protection is intended for the benefit of producers at the expense of consumers, for the benefit, that is to say, of the landowner, at the expense of the rest of the people; for the benefit of the manufacturer at the expense of those who use what he makes; and it is alleged by the advocates of protection that in the benefit thus given to the landowner or manufacturer, and to the persons whom they employ, is found a compensation, and more than a compensation, for the mischief done to the consumer.

But this is not so. In the first place protection often—perhaps generally—injures the very persons it is meant to benefit It makes them rely on the false support of an artificial law, instead of on their own brains and hands The exclusion of competition deadens industry and skill British shipping, for instance, never flourished when certain trades were reserved to it by our navigation laws, so much as it has done since every flag was

admitted to compete with it in every branch of our trade.

But this may not always be the case. It is possible, we must admit, that a weak industry may be kept alive by excluding its foreign rivals. Englishwomen might give more custom to Coventry, if they could not buy the cheaper and better ribbons which are made at Lyons and Basle. The Coventry ribbon-makers might for a time make more profits and pay more wages. Assuming this to be the case, the effect, not only to the women who buy silk, but to the whole producing industry of the country, will nevertheless be mischievous; for we can only pay for the French and Swiss ribbons by sending to France and Switzerland something which we make better and cheaper than the French or Swiss can make it; so much better and cheaper, that it will bear the cost of carriage, and yet be preferred to the French or Swiss article. It may be iron, or cotton, or cloth; and it may be that we do not send it to France or Switzerland, but to India or China, and that India or China in turn sends tea or indigo to France, and that what we make is so cheap and good that it bears all this cost of carriage, to the great benefit of our own shipowners. It is impossible to trace the complicated course of trade, but one thing is certain, viz that we cannot buy the French or Swiss ribbons without making and selling something which we can make better and cheaper than ribbons, and which consequently brings more profit to our manufacturer, and better wages to our workmen. If we put a stop to the buying of French ribbons we also put a stop to this better industry of our own, in order to encourage the inferior industry of the Coventry ribbon-maker. Ribbons are a comparatively small industry,

but what is true of them is true of all the larger elements of trade—of cotton, cloth, iron, and agricultural produce. We are all consumers, and we are all in some sense producers. Regarded as consumers it is admitted that protection is injurious to us, but what is not so generally recognised, is that protection is equally injurious to us considered as producers. It prevents us from doing what we can do best. It makes us produce what we produce badly and scantily, instead of what we can produce well and abundantly. It makes what we buy and use dearer and worse, but at the same time it also limits and reduces the business and profits of our producers, and the wages they pay to their workmen

But this is not all. One protectionist step brings on another. Every product of industry is a means, the raw materials, so to speak, of other industries. In making it dear and scarce we cripple them; and they, in their turn, must be protected. Keep out foreign paper, and foreign books must be kept out. Keep out foreign iron, and all that is made of iron—ships, machinery, tools—must be kept out too. Keep out tools and machinery, and all that tools and machinery produce must be kept out also. And thus the protectionists get into a vicious circle, in which everybody without exception is plundered or injured, and in which everybody plunders, except the particular producer, who has such natural advantages that he has no foreign rival. To him protection brings no benefit, whilst he is the victim of other protectionists. And yet, he is the one who if left to enjoy his natural advantages could and would do more than any other for himself and his country. Everything is made dear to all consumers, and all

producers are restricted in production. If any gain by the plunder it is the few who gain at the expense of the many ; and the aggregate gain by plunder must be very small as compared with the aggregate loss. Dear living is ill compensated by high wages ; and, what is still worse for the whole of the productive classes, they are prevented from making the most which nature has enabled them to make out of their labour and skill .